Open File Report 90-9

FURTHER CHARACTERIZATION OF THE PRECIOUS METAL POTENTIAL OF MINERAL DEPOSITS ASSOCIATED WITH THE ROCKY BROOK - MILLSTREAM FAULT SYSTEM, NORTHERN NEW BRUNSWICK

by

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Corona Corporation

Canada-New Brunswick Mineral Development Agreement
Entente Canada-Nouveau-Brunswick L'Exploitation Minérale

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April, 1991

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ABSTRACT

Recently, Lacana undertook an extensive precious metal oriented exploration program on a number of base metal rich - deposits closely associated with the Rocky Brook - Millstream Fault system. Through a detailed program of Au, Ag and As soil geochemistry, in conjunction with ground geophysics and geological compilation, a number of prominent anomalies were defined, some of which were coincident with known zones of mineralization. Two zones in particular were regarded as potential economic deposits worthy of further investigation. These zones include Deposit One, carrying up to 3.34 oz/ton silver, 1.10% lead and 1.50% zinc over fifteen feet (15') and the Hachey Zone, which contains approximately 60,000 tons of 7.9 oz/ton silver, 1.78% lead and 2.71% zinc to a depth of 200 vertical feet. Both zones were previously tested by extensive drilling, but were generally, only tested for base metal content and silver. It was felt that a gold horizon could exist within the deposits and might have been overlooked when systematic gold assaying was not initiated during the early drilling.

The Deposit One and the Hachey zones were tested along their westerly trending extensions by recent diamond drilling. A total of 1269.8 metres, comprising 8 holes were drilled during the 1988 program. Holes 5, 8 and 9 were drilled to test strong gold in soil anomalies to the immediate west of the Hachey zone. Base metal veining was encountered in the drilling and correlated with the previous outlined mineralization within the main zone. The highest gold values appear to be associated with arsenopyrite, and assayed up to 1.2 metres/0.130 Au oz/ton in drill holes MS-88-5. Drill holes 6,7,10, 11 and 12 tested Deposit One and it's westerly extension and returned similiar mineralization as the Hachey zone. The best gold assay was intersected in drill hole MS-88-6 which assayed 0.14 oz/ton Au over 0.3 metres.

The drilling outlined significant gold mineralization over very narrow widths which relate to coincidental base metal stringer zones enriched with arsenopyrite. The drilling program failed to outline any new gold horizons, other than gold enrichment associated with the narrow high grade veins previously outlined by earlier drilling. Local silicified zones and skarn development was encountered in the drilling but returned low gold values.

RÉSUMÉ

Récemment, Lacana a entrepris un vaste programme d'exploration pour les métaux précieux sur un certain nombre de gîtes riches en métaux de base et qui sont associés de près au système de faille de Rocky Brook - Millstream. Par le biais d'un programme détaillé de géochimie des sols pour l'or, l'argent et l'arsenic, et conjointement avec de la géophysique au sol et une compilation géologique, un certain nombre d'anomalies importantes furent définies, dont certaines coïncidaient avec des zones connues de minéralisation. Deux zones en particulier sont considérées comme potentiellement économiques et méritent d'être examinées plus en détail. Ces zones comprennent le gisement Un, contenant jusqu'à 3,34 oz Ag/tonne, 1,1 % Pb et 1,5 % Zn sur plus de quinze pieds, et la zone Hachey, qui contient approximativement 60 000 tonnes de

minerais à 7,9 oz Ag/tonne, 1,78 % Pb et 2,71 % Zn sur une profondeur de 200 pieds verticaux. Les deux zones avaient précédemment été vérifiées à l'aide de plusieurs forages, mais en général n'avaient été analysées que pour les métaux de base et l'argent. Il était estimé qu'un horizon aurifère pouvait exister au sein du gisement et qu'il aurait pu être manqué suite à l'absence d'analyses systématiques pour l'or durant les premiers forages.

Le gisement n° 1 et la zone Hachey ont été vérifiés le long de leurs extensions vers l'ouest par de récents forages au diamant. Un total de 1 269,8 mètres, comprenant 8 trous fut foré durant le programme de 1988. Les trous 5, 8 et 9 furent forés afin de vérifier de fortes valeurs d'or dans des échantillons de sol pris juste à l'ouest de la zone Hachey. Des métaux de base filoniens furent recoupés lors du forage et mis en corrélation avec la minéralisation précédemment identifiée au sein de la zone principale. Les plus fortes valeurs d'or semblent être associées à de l'arsénopyrite, et ont titrées jusqu'à 0,13 oz Au/tonne sur 1,2 mètres dans le trou MS-88-5. Les trous 6, 7, 10, 11 et 12 ont vérifié le gisement n° 1 et son extension vers l'ouest, et ont indiqué une minéralisation semblable à celle de la zone Hachey. La meilleure valeur d'or provenait du trou MS-88-6 qui a titré 0,14 oz Au/tonne sur plus de 0,3 m.

Le forage a indiqué une importante minéralisation aurifère sur de très petites largeurs, lesquelles coincident avec une zone d'écrasement à nombreux filonnets contenant des métaux de base et enrichies d'arsénopyrite. Le programme de forage n'a pas réussi à identifier de nouveaux horizons aurifères autres que l'enrichissement en or associé aux étroites veines à haute teneur identifiées lors des forages précédents. Des zones locales silicifiées et un skarn ont été rencontrés dans le forage mais ont indiqué de faibles valeurs d'or à l'analyse.

ACKNOWLEDGEMENTS

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TABLE OF CONTENTS

	PAGE #
ABSTRACT	1
ACKNOWLEDGEMENTS	2
TABLE OF CONTENTS	3
1.0 INTRODUCTION	4
1.1 OBJECTIVE	4
1.2 SCOPE	4
1.3 PROPERTY, LOCATION AND ACCESS	6
1.4 SUMMARY OF PREVIOUS WORK	7
2.0 PROJECT METHODOLOGY	11
3.0 RESULTS AND DISCUSSION	11
4.0 RECOMMENDATIONS	12
5.0 REFERENCES	13
APPENDIX	15
FINANCIAL STATEMENTS	17
DRILL LOGS	28

LIST OF FIGURES

Figure		Scale	Plate
1.0	Location Plan	sketch	page 6
1.A	Au in Soil Geochemistry Drill Hole Locations	1:5000	in pocket 90-163
2.0	Au in Soil Geochemistry Drill Hole Location	1:5000	in pocket 90-164
3.0	Section 38+00 W DDH MS88-5	1:250	in pocket 90-165
4.0	Section 51+50 W DDH MS88-6	1:250	in pocket 90-166
5.0	Section 45+00 W DDH MS88-7	1:250	in pocket 90-167
6.0	Section 39+50 W DDH MS88-8	1:250	in pocket 90-168
7.0	Section 45+50 W DDH MS88-9	1:250	in pocket 90-169
8.0	Section 42+00 W DDH MS88-10	1:250	in pocket 90-170
9.0	Section 33+50 W DDH MS88-11	1:250	in pocket 90-171
10	Section 42+00 W DDH MS88-12	1:250	in pocket 90-172

INTRODUCTION

1.1 Objective

The North American Rare Metals Mining licences (1203, 1209) and Millstream Mining licence (1212) were acquired by the Canadian Minerals Joint Venture 1985 (CMJV 1985) under an option agreement with North American Rare Metals, Mistango Consolidated and Millstream Mines Limited in December 1986. Although much work has been done on the property and adjoining licences in the past, it has been mainly base metal and silver oriented with only minor emphasis placed on the gold potential. The discovery of the Elmtree gold deposit in foliated gabbro associated with the Elmtree fault, in the same vicinity and general geological setting, lead to the decision that the gold potential of the property should be tested. With the aid of soil geochemistry (gold, arsenic,silver) in conjunction with geophysics, two zones were defined that warranted further evaluation. These zones, Deposit One and the Hachey Zone were outlined by strong soil gold anomalies. During the early drilling only a few intersections were assayed for gold and it was thought that the prominant gold geochemistry anomalies might reflect a gold zone not previously recognized by earlier colleagues.

1.2 Scope

Linecutting of a large grid covering the Millstream and North American Rare Metals properties was carried out in January and February of 1987. Detailed soi sampling at 12.5 metres, VLF-EM and magnetic surveys were conducted over the entire grid. Several geochemical anomalies were outlined, some of which were coincident with known zones of mineralization and extensions of the zones, while others appeared to represent new zones.

The possible extensions of two known zones were defined by the gold geochemistry within the B2 soil horizon and tested by diamond drilling. Holes 5, 8, 11 and 9 were drilled to test a strong gold in soils anomaly located to the immediate west of the Hachey zone. Drilling of the anomaly revealed that the new zone is very similar to the Hachey Zone in nature, and is most certainly an extension of it. Mineralization consists of narrow (10 cm) bands, stringers, and patches of galena, sphalerite, pyrite and lesser amounts of arsenopyrite and stibnite, hosted within highly deformed graphitic argillites and local silicified zones in the Tetagouche Group. The highest gold values appear to be associated with arsenopyprite.

The significant intersections are summarized below:

Hole No.	Interval (metres)	Length (metres)	Au(ppb)	Ag(oz/T)
MS-88-5	9.5 - 9.7	0.2	0	5.10
	56.0 - 57.2	1.2	4438 (0.13 oz/T)	0.35
	80.5 - 81.0	0.5	6849 (0.20 oz/T	0.18
	92.7 - 93.0	0.3	1315	0.04
MS-88-8	34.0 - 34.5	0.5	1233	0.21
MS-88-9	51.9 - 52.1	0.2	700	2.63
	104.9 - 105.4	0.5	1600	1.25
MS-88-11	no significant intersections			

The remaining holes, 6, 7, 10 and 12 were drilled to test Deposit Ono and its western extension. The deposit itself is characterized by strong geochemical soil (Au,As) anomalies and is coincident with prominent VLF and magnetic anomalies. The style and nature of mineralization encountered in these 4 holes is essentially the same as described in earlier work, that being, local base metal stringer type mineralization within a fault contact along a highly deformed ultramafic sill carrying minor sulphides. The significant intersections include:

Hole No.	Interval (metres)	Length (metres)	Au(ppb)	Ag(oz/T)
MS-88-6	97.3 - 97.6	0.3	4712 (0.14oz/T	8.89
	100.8 - 101.4	0.6	55	1.25
MS-88-7	34.0 -34.5	0.5	1884	6.19
MS-88-10	no significant intersections			
MS-88-12	77.4 - 77.6	0.2	1151	ND

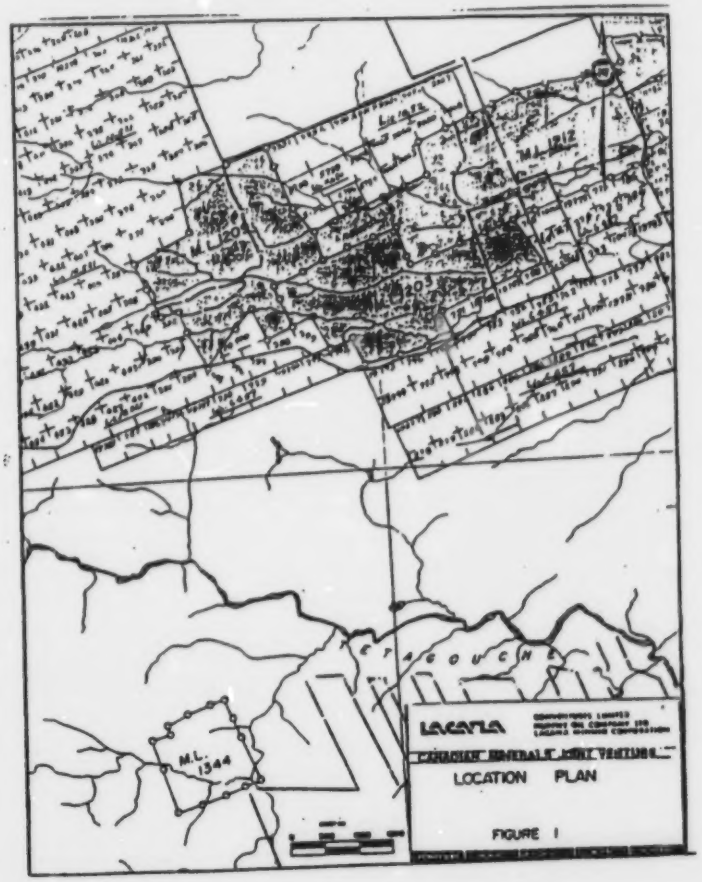
1.3 PROPERTY, LOCATION AND ACCESS

The property is located 2 km to the west of the road running south from Nicholas Deny's between the Nicholas Deny's and Sormany Roads along the Millstream River. It is situated approximately 20 km. WNW of Bathurst, northern New Brunswick. The centre of the group is approximately 47 39' lat., 66 56' long.

Easy access to the claim group is provided by the Nicholas Deny's and Sormany roads extending to the west of Routes 11 and 134 from Bathurst. Overgrown bush roads and tractor trails provide access to the eastern part of the group in the vicinity of the Shaft and Hachey zones along Rocky Brook on the Millstream licence. The road continuing through Nicholas Denys to the west provides access to the western end of the properties and the decline near the Millstream river. Travel time to the claim group from Bathurst is approximately 20-30 minutes.

The area has been burned and cut over and is covered with 20 to 25 year regrowth which in places is very dense.

LOCATION PLAN



1.4 SUMMARY OF PREVIOUS WORK P. DIMMELL

The Rocky Brook - Millstream area has undergone extensive exploration for base and precious metals since the late 1800's. Skarn related magnetite deposits were discovered in 1890 and part of the Millstream Mines Limited sulphide deposit was located before 1891.

The first comprehensive work in the area was carried out by the Rocky Brook - Millstream syndicate in 1949 - 1950 under the supervision of G.S. MacKenzie.

The only production from the Rocky Brook - Millstream break area has been from the sulphide vein deposits of the Nigadoo Mine which was discovered in 1953. Total tonnage produced at shutdown in Aug. 1977 is reported as 2,049,843 tons at a grade of 0.28% Cu, 2.39% Pb, 2.5% Zn, and 3.42 oz/t Ag. Reserves remaining in the A, C, and Anthonian veins were estimated to be 926,000 tons at 0.18% Cu, 3.13% Pb, 3.15% Zn and 3.6 oz/t Ag.

The Beresford Copper deposit was located and delineated by diamond drilling by Noranda Mines Limited in the period 1952 - 1962. It lies within a limestone skarn (southern skarn zone) associated with the largest magnetite deposit located to date along the break. Estimated tonnage for this deposit is 200,000 tons of 1.75% Cu or 560,000 tons of 1.2% Cu over an average width of 20.1 feet (Evans 1972). The magnetite skarn deposits are associated with the Nicholas Deny's granite stock.

M.J. O'Brien Limited carried out extensive exploration on the break in the period 1952 to 1954 resulting in the discovery of four significant sulphide deposits within the Millstream Mining Licence by prospecting, trenching and diamond drilling. These included the Shaft, Hachey, Pine Tree, and Half Mile deposits.

In 1956 a 550 foot shaft on the Shaft zone was sunk by Quebec Sturgeon River Mines Limited. Two levels at 200 and 500 feet were established and a limited amount of development work was done. Combined tonnage of the Shaft and nearby Hachey zones was estimated at 324,000 tons at 3.52% Zn, 2.62% Pb, 4.25 oz/t Ag and .008 oz/t Au.

Quebec Sturgeon River Mines drilled seven drill holes on one of the other sulphide deposits (deposit 2) in 1968.

The Sullivan Mining Group carried out geological and geophysical surveys and 21,957 feet of diamond drilling, mostly on deposit 2, in the period 1968 to 1970.

In 1975, Zarina Explorations discovered two gold bearing structures along north westerly trending shear zones subsidiary to, and to the north of, the main Millstream break. The best vein system gave an average grade of 0.81 oz/t Au, 18.39 oz/t Ag over an average width of 11 inches and along a strike length of 115 feet. The zones, near the junctions of Bradley and Rocky Brooks are adjacent to the north boundary of the Millstream Mining Licence.

In 1977, 1978 and 1981 Ross Kidd, P.Eng carried out VLF - EM, and geochemical soil surveys over parts of the Millstream property on behalf of Millstream Mines Limited.

As a result of this work a diamond drilling program, in 1982, of 1,341 feet in five holes tested anomalies D and E in addition to the Shaft zone and its extensions.

Work in 1983, based on recommendations as a result of the 1982 drilling consisted of 7 drill holes totalling 2,177 feet, backhoe trenching, detailed soil sampling and sampling of the trenches. A new sulphide zone parallel to the Hachey zone, anomalous lead zinc soil values in the E zone area and three highly anomalous soil areas between the Hachey zone and the North American Rare Metals boundary were located. No followup of these significant anomalous areas is recorded.

The Main Zone of the North American Rare Metals property to the south of the Rocky Brook fault, was located in 1968 by North American Rare Metals and Mistango River Mines Limited as the result of geochemical followup of a high grade (50% Pb, >100 oz/t Ag) float. High lead/silver in soils with associated talc - serpentine float was located over a 100 by 200 foot area in diabasic gabbros. Bulldozer trenching located a thirty foot zone of brecciation, shearing and alteration in a gabbro sill. Mineralization consisting of galena, sphalerite, and arsenopyrite gave grab sample values of > 50 % Pb and up to 126 oz/t Ag. Electromagnetic, magnetic and self potential profiles run across the zone did not locate any anomalous values. Twelve diamond drill holes totalling 3368 feet which tested the zone located only 1 foot of 18 oz/t Ag in a vuggy quartz vein with galena and sphalerite. (Scott 1968)

In 1968, a magnetic survey, 1878 feet of drilling, 80,000 square feet of bulldozer trenching and minor geological mapping was carried out. A total of 34 narrow silver bearing polymetallic veins varying from 0.1 to 10.7 feet wide were located. In area 8A three drill holes located good silver values in eight, west to northwest striking, veins on the nose of a synclinal diabasic gabbro sill. On group 8, drill holes 8 to 13 intersected a series of narrow veins which showed excellent continuity from surface. Further trenching and diamond drilling was recommended (Scott 1968).

Geochemistry (soils) indicated three areas of Pb/Zn/Ag mineralization on the property with the largest on Group 8 > 2000 feet long and up to 400 feet wide (Armstrong 1970).

In 1969, diamond drilling of 75 holes totalling 28,652 feet located Pb/Zn/Ag mineralization associated with quartz carbonate alteration zones in every hole. The north zone (Cullinan Group) has a north - south trend while the zones on the 8 and 8A groups have an east - west trend. The main zone which consists of 3 to 4 vein systems with widths up 3 to 11 feet, trends at N 70 E and was traced to 300 foot vertical depth. Soil sampling indicated a probable extension of the

mineralized zones to the northeast. Armstrong (1970), after examination of all data, recommended a 550 foot decline with lateral exploration to test the main zone where the density of veining appeared to be greatest. This work was carried out in 1970/71.

A report on the underground development was written by W. A. Carter in September 1971. He reports that the crosscut hit 88 feet of mineralized material assaying 2.14% Pb, 1.77% Zn, 4.97 oz/t Ag, and 0.037 oz/t Au and that two parallel drifts in the mineralized zone over 475 feet averaged 2.0% Pb, 1.42% Zn, 3.0 oz/t Ag and 0.03 oz/t Au.

The program which consisted of a decline, crosscut, two parallel drifts, a raise to surface and underground diamond drilling outlined 79,000 tons with average grade of 2.23% Pb, 1.57% Zn, 4.76 oz/t Ag and 0.031 oz/t Au.

In addition to the underground work, fourteen drill holes totalling 5,524 feet, detail geochemistry and 2,000 feet of bulldozer trenching tested various zones on the property. Grab sample values up to 80 oz/t Ag were found (Carter 1971). The original showing near Rocky Brook was exposed over a 50 feet length varying from 3 to 7 feet wide and giving grab sample values of up to 60 to 67 % Pb, and 38 to 100 oz/t Ag. Rechecking of old diamond drill core from the zone resulted in the location of 2 feet of 12.33% Pb, 1.6% Zn and 11.27 oz/t Ag (Carter 1971).

In 1973 ground covering a showing located by the Great Northern Development Company to the west of the North American Rare properties came open and was acquired by the joint venture. The showing (Pb/Zn/Ag) had been tested by four drill holes. Thirteen drill holes in 1973 by the joint venture, extended the zone to give a strike length of 700 feet (Evans 1973).

A new zone 200 to 500 feet to the northwest of the Great Northern showing, trending at N 40 E was located by bulldozing and 2,010 feet of diamond drilling. Three holes indicated a strike length of 250 feet with average grade of 4.63 % Pb/Zn and 7.13 oz/t Ag over 2.2 feet. Antimony values of 3.68% and 2.38% were intersected in two holes. A heavily mineralized, gossanized sample from the trench gave 37.2% Pb, 1.08% Zn, 5.15 oz/t Ag and 29.35% Sb. A total of 1580 feet of drilling also tested the area to the east and west of the Great Northern showing with disappointing results.
H.A. Pearson in August 1975 reported on the results of geochemical surveys, bulldozer trenching and diamond drilling (10,356 feet in 28 ddh) carried out in 1974. The Great Northern showing was extended to a strike length of 1300 feet with the new zone, located in 1973, found to be a folded or faulted extension of the original showing. Antimony values were found to be restricted to the west end of the zone.

Pearson recommended further geochemical sampling, bulldozer trenching and fill in diamond drilling to check the continuity of the zone.

In the summer of 1975 a geochemical survey for Cu, Pb, Zn, and Ag was carried out followed by geophysical and geochemical surveys bulldozer trenching and diamond drilling in November and December. A mineralized gossan zone 700 feet long was exposed by the bulldozer trenching. Grab samples at 100 foot spacing along the trench averaged 21.97% Pb, 5.94% Zn, 7.08% Sb, 45.86 oz/t Ag and 0.11 oz/t Au. Diamond drilling (1,981 feet in 7 holes - 8A - 29 to 35) tested the zone (5 holes) and geophysical anomalies to the north of the main zone (2 holes). Only low values were intersected. Recommendations included shallow drilling in the zone, trenching of the west zone and "further study" of the main zone (Kidd 1976).

In July of 1976 the 8A area of narrow Pb/Zn/Ag/Sb zones was covered by VLF and radioohm resistivity surveys. The A conductor, primarily a quadrature response, coincided with a sulphide zone already exposed by trenching however the weak B and C conductors to the east and striking east to northeast were not explained (Kidd 1976).

No further industry work has taken place on the North American Rare Metals Mining Licences until their option by Lacana in 1986. Acadia Mineral Ventures in 1987 acquired the claim groups contiguous to the licences to the west and north and are carrying out a program of ground exploration.

Government work in the area has consisted of a major study of the Millstream area by J.L. Davies and others in 1966 and 1967 (Report, Map 16-1967), which gave the geological setting of the deposits and described both the mineralization and the structure and stratigraphy of the host rocks.

A compilation of the break area which has included sampling of the old showings and analysis of the samples for gold and related elements has been undertaken by the Geological Surveys Branch of the Department of Forests, Mines and Energy. This program is ongoing and preliminary results are expected to be released in the near future.

2.0 PROJECT METHODOLOGY

The Elmtree gold deposit lying northeast of the subject area was successfully outlined by detailed soil sampling surveys, analyzing for gold. The prominent Elmtree fault contact and its associated gold bearing zones were also delinated by prominant VLF anomalies and coincidental geochemical anomalies. Gold mineralization at Elmtree is hosted within an intensely, hydrothermally altered gabbroic sill, associated with a coincident fault structure. The Rocky Brook-Millstream fault system has similiar geological features as the Elmtree deposit, in that, several known deposits lie within the fault zone indicating that a strong structurally controlled hydrothermal system was present. On the other hand, it was not clear if the known base metal-silver zones carried significant gold values.

The first phase of the exploration program was initiated primarily to enhance known deposists and their extensions by drilling coincident gold in soil anomalies. The results indicate that gold exists over very narrow widths associated with base metal veins and stringer type mineralization.

3.0 RESULTS AND DISCUSSION

Extension drilling at Deposit One and the Hachey Zone has failed to enhance the precious metal potential at these sites. Significant gold values were only intersected over very narrow widths.

The follow-up on a detailed geochemical survey indicates that the gold soil anomalies are valid and reflect mineralization within the immediate area. Any distinct clustering of anomalies outside the known zones should be treated as top priority with follow-up prospecting and/or trenching.

4.0 RECOMMENDATIONS

Phase two in the property evaluation should include a detailed geological compilation with emphasis on locating all intrusions (gabbroic and foliated diorites) with ground follow-up prospecting, seeking, quartz flooding and associated deformation. The gabbroic intrusions , South Sormany Gate occurence and North American Rare Metals west gabbro zone should be followed up with an IP survey and /or Sb soil analysis, trenching and possible diamond drilling.

Regional reconnaissance till/soil sampling should be conducted westerly along the major fault trend and easterly within and around the Nicholas Deny's stock.

Respectfully submitted,

John F. Duncan, BSc.

REFERENCES

DIMMELL, P. (1988) Assessment report on the Millstream property, Northern New Brunswick

HOY, D. (1988) Progess Report (to R.D. Harris) -Further characterization of the Rocky Brook - Millstream Fault System, 8708-21 P/13

APPENDIX

(Editor's Note: For the convenience of the reader, the drill logs in the Appendix have been retyped. Although the typed copy has been checked for accuracy, we cannot be certain that all the text has been interpreted correctly because of the quality of the copy received. The original copies we received can be viewed at the Fredericton office of Mineral Resources.)

INVOICE - FACTURE

IDEAL DRILLING (1980) LTD. p.o. box 40, Bathurst, N.B., E2A 3Z1
LES FORAGES IDEAL (1980) LTEE. case postale 40, Bathurst, N.-B., E2A 3Z1
Telephone: (506) 546-9876 Telex: 014-24532

Lacana Mining Corporation
P.O. Box 382
Bathurst, NB
E2A 3Z3

Invoice No. No. De Facture: 3800

Date March 4, 1988

Terms - Net 7 Days Termes - Net 7 Jours

ATT: MR. DON HOY

Cost of drilling Feb. 16 to 29/88. Sormany - Nicholas Deny's

Cost of moving to first drill site

202	man hours	@$18.50	$3,737.00	
33	tractor hours	@$25.00	825.00	$ 4,562.00

Hole# MS 88-6

From	0 to 42	42' BW casing	@$13.95	$ 585.90	
	42 to 362	320' BQ core	@$13.95	4,464.00	5,049.90

Cost of reaming casing

8	man hours	@$18.50	$ 148.00	
4	drill hours	@$22.00	88.00	236.00
4	compass tests	6 X $13.95		334.80

Cost of moving between holes

14	man hours	@$18.50		259.00
				$10,441.70

255 - 362' BQ

Credit against progress amount of $ 56,144.91 paid from Invoices 9919 & 9934

Longyear

Longyear Canada Inc.
CONTRACT DRILLING DIVISION
P.O. Box 330, North Bay, Ontario, Canada P1B 8H6
Telephone: 705-474-2800
Telex: 067-76194 Cable: Longyear
Fax: 705-474-2373

Lacana Mining Corp.
2775 Bridge Street
P.O. Box 382
Bathurst, New Brunswick
E2A 3Z3

Invoice No. 2720
Cust. No. 2240
Job No. 2178
Dest. 065

Invoice date March 9, 1988
for February 1988

To: Invoice for diamond drilling performed near Bathurst, New Brunswick during period February 22 - 29, 1988 per agreement dated February 10, 1988

Hole #	Size	From	To	Total	Rate	Amount
MS 88-5	NQ Wireline	0.	500.	500.	28.50	14,250.00
	NQ Wireline	500.	612.	112.	29.50	3,304.00
MS 88-8	NQ Wireline	0.	500.	500.	28.50	14,250.00
	NQ Wireline	500.	516.	16.	29.50	472.00
				1128.		32,276.00

Moves

40 hours @ $100.00	4,000.00	
52 Extra Crew hours @ $40.00	2,080.00	
18 Tractor hours @ $60.00	1,080.00	
		7,160.00

Long Waterlines

49 hours @ $100.00	4,900.00	
80 Extra Crew hours @ $40.00	3,200.00	
17 Tractor hours @ $60.00	1,020.00	
34 Cylinders Propane @ $42.29	1,437.86	
2 Drums Diesel Fuel @ $77.10	154.20	
	10,712.06	

Less Longyear Portion

11 1/2 hours @ $100.00	(1,150.00)	
31 1/2 Extra Crew hours @ $40.00	(1,260.00)	
8 1/2 Tractor hours @ $60.00	(510.00)	
		7,792.06

Longyear

Longyear Canada Inc.
CONTRACT DRILLING DIVISION
P.O. Box 33[illegible] North Bay, Ontario, Canada P1B 8H6
Telephone: 705-474-2800
Telex: 067-76194 Cable: Longyear
Fax: 705-474-2373

19

Lacana Mining Corp. -2- Invoice No. 2720

Hole Conditions (Reaming)

1 hour		100.00

Client Testing

9 hours @ $100.00		900.00

Left In Hole

3 NW 2' Casing @ $40.50	121.50	
1 NW 5' Casing	77.25	
4 NW 10' Casing @ $138.60	554.40	
2 NW Econo Shoes @ $150.00	300.00	
		1,053.15

$49,281.21 ovc.

Sent to TO
Mar 21/88

DAYS — INTEREST CHARGED AT 1 1/2% PER MONTH ON OVERDUE ACCOUNTS

INVOICE - FACTURE

IDEAL DRILLING (1980) LTD. p.o. box 40, Bathurst, N.B., E2A 3Z1
LES FORAGES IDEAL (1980) LTEE. case postale 40, Bathurst, N.-B., E2A 3Z1
Telephone: (506) 546-9876 Telex: 014-24532

Lacana Mining Corporation
P.O. Box 382
Bathurst, NB
E2A 3Z3

Invoice No. No. De Facture: 3811

Date March 21, 1988

Terms - Net 7 Days Termes - Net 7 Jours

Cost of drilling March 1 to 15/88. Sormany-Nicholas Deny's

Hole# MS 88-7

From 0 to 16	16' BW casing	@$13.95	$ 223.20		
16 to 500	484' BQ core	@$13.95	6,751.80		
500 to 530	30' BQ core	@$14.95	448.50	$ 7,423.50	

Hole# H 10

From 0 to 31	31' BW casing	@$13.95		432.45	

Cost of moving between holes

105	man hours	@$18.50	$1,942.50		
22	tractor hours	@$25.00	550.00	2,492.50	

Cost of reaming casing

6	man hours	@$18.50	$ 111.00		
3	drill hours	@$22.00	66.00	177.00	
4	compass tests	5 X $13.95		279.00	

Material left in hole# 88-7

6	2' NW casing	@$47.80	$ 286.80		
8	2' BW casing	@$35.28	282.24		
1	NW C/S	@$	158.98		
1	BW C/S	@$	130.30		
	plus 15%		128.75	987.07	

Cost of pulling casing

2	man hours	@$18.50	$ 37.00		
1	drill hour	@$22.00	22.00	59.00	

Cost of reaming casing H-10

32	man hours	@$18.50	$ 592.00		

IDEAL

IDEAL DRILLING (1980) LTD.
LES FORAGES IDEAL (1980) LTEE.

Page No.
No. Page 2

Invoice No.
No. De Facture 3811

16	drill hours	@$22.00	352.00	
1	BW casing sub		75.24	
2	2' BW casing	@$35.28	70.56	
1	BW C/S		130.30	
	plus 15%		41.42	$ 1,261.52
				$13,112.04

total ok.

Audit against prepaid amount
of 956,144.91 paid
from invoices 9919 19934

255 - 561' BW

Longyear

Longyear Canada Inc.
CONTRACT DRILLING DIVISION
P.O. Box 330, North Bay, Ontario, Canada P1B 8H6
Telephone: 705-474-2800
Telex: 067-76194 Cable: Longyear
Fax: 705-474-2373

Lacana Mining Corp.
2775 Bridge Street
P.O. Box 382
Bathurst, New Brunswick
E2A 3Z3

Invoice No. 2879
Cust. No. 2240
Job No. 2178
Dest. 065

Invoice date March 29, 1988
for March 1988

To: Invoice for diamond drilling performed near Bathurst, New Brunswick during period March 14 - 19, 1988 per agreement dated September 15, 1987

Hole #	Size	From	To	Total	Rate	Amount
MS-9-88	NQ Wireline	0.	500.	500.	16.50	8,250.00
	NQ Wireline	500.	611.	111.	17.50	1,942.50
				611.		10,192.50

Moves

Moving to Hole MS-9-88

14 hours @ $75.00	1,050.00		
18 Extra Crew hours @ $25.00	450.00		
8 Tractor hours @ $40.00	320.00		
		1,820.00	

Moving From MS-9-88

11 hours @ $75.00	825.00		
28 Extra Crew hours @ $25.00	700.00		
6 Tractor hours @ $40.00	240.00		
		1,765.00	
			3,585.00

Long Waterlines

9-100 lbs. Propane Cylinders @ $42.29			380.61

Left In Hole MS9-88 (26 feet)

3 NW 2' Casing @ $40.50		121.50	
2 NW 10' Casing @ $138.60		277.20	
1 NW Econo Shoe		150.00	
			548.70

Longyear

Longyear Canada Inc.
CONTRACT DRILLING DIVISION
P.O. Box 330, North Bay, Ontario, Canada P1B 8H6
Telephone: 705-474-2800
Telex: 067-76194 Cable: Longyear
Fax: 705-474-2373

Lacana Mining Corp. -2- Invoice No. 2879

Core Boxes

Credit - See Later Invoice

Tropari Instrument Rental

March 1 - 19, 1988, 19/31 x $450.00 275.81

Client Testing

3 1/2 hours @ $75.00 262.50

$15,245.12

K. Dunk
7913-90-3140
SMA Sept 27/88

JOB NAME Lacana Bathurst #2178 DRILL 38 DATE March 14 To March 19, 198

Date	Hourly Rate	Standby Rate	Extra Crew Rate	Acid Test	Tropari Test	Tractor Hrs.	CONSUMABLES
Client Testing							
March 15					½		100'
16					1		200', 300'
16					½		400'
17					½		500'
17					1		600'
					3½		
Moving							
Moving To Hole MS-9-88							
March 14	9		18			7	
15	5					1	
	14		18			8	
Moving From Hole MS-9-88							
March 18	2		14			6	
19	9		14				
	11		28			6	

Date	Hourly Rate	Standby Rate	Extra Crew Rate	100 lbs Propane Cyl.	12' Casing NW	10' Casing NW	CONSUMABLES
Long Waterlines (4500')							
March 15				2			
15				2			
16				2			
17				1			
17				2			
				9			
Left In Hole							
March 18					3	2	NW Shoe (Econo) E-1603

Longyear

Longyear Canada Inc.
CONTRACT DRILLING DIVISION
P.O. Box 330, North Bay, Ontario, Canada P1B 8H6
Telephone: 705-474-2800
Telex: 067-76194 Cable: Longyear
Fax: 705-474-2373

Lacana Mining Corp.
2775 Bridge Street
P.O. Box 382
Bathurst, New Brunswick
E2A 3Z3

Invoice No. 3263
Cust. No. 2240
Job No. 2178
Dest. 065

Invoice date July 11, 1988
for June 1988

To: Invoice for diamond drilling performed near Bathurst, New Brunswick during period June 20 to July 1, 1988 per agreement dated February 10, 1988.

Hole #	Size	From	To	Total	Rate	Amount
MS-88-11	NQ Wireline	0.	500.	500.	16.50	8,250.00
	NQ Wireline	500.	572.	72.	17.50	1,260.00
MS-88-12	NQ Wireline	0.	500.	500.	16.50	8,250.00
	NQ Wireline	500.	724.	224.	17.50	3,920.00
				1296.		21,680.00

Client Testing

3 hrs. @ $75.00	225.00	
8 Clinometer Tests @ $45.00	360.00	
		585.00

Moves

Moving to Hole MS-88-11

17 hrs. @ $75.00	1,275.00	
10 Extra Crew hrs. @ $25.00	250.00	
11 Tractor hrs. @ $40.00	440.00	
	1,965.00	

From Hole MS-88-11 to Hole MS-88-12

18 hrs. @ $75.00	1,350.00	
13 Tractor hrs. @ $40.00	520.00	
	1,870.00	

Moving From Hole MS-88-12

16 hrs. @ $75.00	1,200.00	
22 Extra Crew hrs. @ $25.00	550.00	
14 Tractor hrs. @ $40.00	560.00	
	2,310.00	
		6,145.00

OK. Only
7912-3140
Aug 22/88

Longyear

Longyear Canada Inc.
CONTRACT DRILLING DIVISION
P.O. Box 330, North Bay, Ontario, Canada P1B 8H6
Telephone: 705-474-2800
Telex: 067-76194 Cable: Longyear
Fax: 705-474-2373

Lacana Mining Corp. -2- Invoice No. 3263

Bridge Building			
12 Extra Crew hrs. @ $25.00		300.00	
6 Tractor hrs. @ $40.00		240.00	
160' Lumber 2" x 10" @ .48/ft.	76.80		
Plus 15%	11.52		
		88.32	
			628.32
Lost Circulation			
Hole MS-88-12			
3 hrs. @ $75.00			225.00
Mud Additives			
5 Pails Matex DD2000 @ $121.00		605.00	
Plus 15%		90.75	
			695.75
Core Boxes			
93 Core Boxes @ $10.00			930.00
			$30,889.07

JOB NAME [illegible] Bathurst #2178 DRILL 38 DATE June 21 To July 1, [illegible]

Date	Hourly Rate	Standby Rate	Extra Crew Rate	Tractor Hrs.	Acid Test		CONSUMABLES
Finishes:							
Moving To Hole MS-88-11							
June 21	5.						
22	9.		10.	.1.			JD450
22	3.						
	17.		10.	11.			
From Hole MS-88-11 To Hole MS-88-12							
June 25	2.						
25	4.			2.			
26	11.			11.			
26	1.						
	18			13.			
Moving From Hole MS-88-12							
June 30	5.			3.			
July 1	11. / 16.		[illegible]	11. / 14.			
Client Testing							
June 23	½.						
23	½.						
24	1.						
24	1.						
25					1.		572' 2 DD 2000
27					1.		100'
28					1.		200'
29					1		300'
29					2.		400' 500'
30					2.		600', 720' 1 DD 20[illegible]
	3				8		

Date	Hourly Rate	Standby Rate	Extra Crew Rate	Tractor Hrs	NW 2' Casing	NW 10' Casing	CONSUMABLES
Bridge Building							
June 23			12.	6.			160' 2x10 @ 48¢/' Lumber
Lost Circulation:							
Hole HS-88-12							
June 29	3'						2 Pails DD 2000, 1 Pail Grease

LACANA MINING CORPORATION — DIAMOND DRILL RECORD — HOLE#: MS-88-5 — Page: 1 of 9

Property: Millstream
Area (Map #) 21 P/12
Claim #:
M.D./County: Gloucester
Province: New Brunswick

Location:
Grid: Line 38+00W, 3+55.5N

Length: 186.5 (Units: metres)
Azimuth: 160° Dip Collar: -46°

Down Hole Surveys: Pajari

Depth	Az	Dip
30 m	151°	-45°
60 m	154°	-45°
90 m	156°	-45°
120 m	158°	-45°
150 m	157°	-45°
180 m	162°	-45°

Drilled by: Longyear Canada Inc.
From-To: 23/2/88 - 28/2/88
Size(s): NQ
Logged by: Peter M. Dimmell
Signed: (Peter M. Dimmell)

Remarks: Drilled to test coincident gold, arsenic, silver soil anomaly associated with a moderate strength VLF EM anomaly. Casing left.

INTERVAL FROM	TO	ROCK TYPE	DESCRIPTION	PLANAR FEATURE ANGLE°	SAMPLE NO.	INTERVAL FROM	TO	SAMPLE LENGTH	ASSAYS Pb,Zn (%)	Ag oz/t	Ag g/t	Au ppb	Au g/t
0 -	2.4 m	overburden	(casing to 4.3 m) - gravel, sand, boulders										
2.4 -	13.0	hornsfelsed sedimentary rocks	Fine grained, med. dark grey-green to black; silicified throughout - hornfelsed - variable - purplish. Minor calcareous sections Core badly broken throughout section. 9.5-13.0 - variably silicified/sericitized with extensive quartz/carbonate veining - variable orientation - along core to preferred orientation - pyrite associated with veining - diss. and fract. filling, 1-3% generally, max - 5-7% 9.5-9.7 - irreg. qtz/carb vein with galena, sphalerite (blackjack) minor chalcopyrite in central part - vein primarily calcite - vuggy with euhedral xl's total sulphides 4-5%	45-60°	10920 10921 10922 10923 10924 10925	9.0- 9.5- 9.7- 10.5- 11.2- 12.0-	9.5 9.7 10.5 11.2 12.0 13.0	0.5 0.2 0.8 0.7 0.8 1.0	.01,.023 8.0,1.2 .008,.02	.13 5.1 .18 .13 .07 .07	4.5 175 6.2 4.5 2.4 2.4	ND ND ND 18 ND 30	.02 .03
13.0 -	16.5	sandstone silicified	med. grey-green, fine to med. grained; silicified-hornfelsed massive; chloritic -minor carbonate veining with assoc. sulphides - mainly pyrite, minor pyrrhotite;-preferred orientation - more broken up, softer to bottom	40-45°	10926 10927 10928	13.0- 14.0- 15.0-	14.0 15.0 16.5	1.0 1.0 1.5		.10 .05 .15	3.4 1.7 5.1	ND ND 23	.02

LACANA MINING CORPORATION DIAMOND DRILL RECORD HOLE#: MS-88-5 Page: 2 of 9

INTERVAL FROM	INTERVAL TO	ROCK TYPE	DESCRIPTION	PLANAR FEATURE ANGLE°	SAMPLE NO.	INTERVAL FROM	INTERVAL TO	SAMPLE LENGTH	Pb, Zn (%)	ASSAYS Ag oz/t	Ag g/t	Au ppb	Au g/t
16.5	19.0	'sandstone altered/ brecciated	light yellow grey-green to med-dark green, fine to med. grained; soft-highly chloritized/sericitized with extensive carbonate/qtz. veining-irreg/discont.-pink to white; section is sheared/brecciated throughout 16.5-17.5 - dark green soft - chloritic - minor sulphides 17.5-19.0 - strongly brecciated/gouged sericitized-yellow green with extensive carbonate veining - some orange red mineral-celestite(?), sulphides (pyrite) throughout as disseminations and fracture fillings 3-6% subhederal 18.2-19 - core badly broken/gouged		10929	16.5	17.5	1.0		.10	3.4	ND	
					10930	17.5	18.0	0.5		.17	5.8	ND	
					10931	18.0	19.0	1.0		.20	6.9	21	.02
19.0	36.2	argillite - graphitic, variably altered/ brecciated	dark grey to black, fine grained; calcareous interbeds, well foliated throughout-variable orientation; soft - variable alteration - mainly sericite - yellow green tint 19-22 - strong carbonate veining - irreg/discont. along and across core axis - pink to white - vuggy in places - some healing breccias - associated green fluorite blebs med. grained pyrite, sulphides 1-3% max, orange red bladed mineral - celestite(?) on margins some veins	CA's 40-65°	10932	19.0	20.0	1.0		.23	7.9	ND	
					10933	20.0	21.0	1.0		.13	4.5	ND	
			22-23.4 - variably altered argillite, minor carb. veining										
			23.4-24.0 - strongly brecciated - some gouge with fragments qtz/carb & host rock - pyrite 1% on slickensided fractures	Fe/CA-40°	10934	23.4	24.0	0.6		.08	2.7	8	.01
					10935	24.5	25.0	0.5		.15	5.1	100	.10
			24.0-36.2 - argillite - variably altered - sericitized/silicified		10936	25.0	26.0	1.0		.07	2.4	ND	
			24.7-24.8 - 2-3cm qtz vein with 20-30% euhedral aspy, med grained pyrite; also 25.0 - same aspy sulphides - pyrite ubiquitous - mainly fract. filling along foliation - also associated with f.g. quartz veins - irreg. along foliation - minor diss. arsenopyrite also associated with quartz veining (total sulphides 3-5%, aspy 2-5% t.s.)	CA-60°	10937	26.0	27.0	1.0		.08	2.7	ND	
					10938	28.0	29.0	1.0		.10	3.4	ND	
					10939	29.0	30.0	1.0		.17	5.8	14	.01
					10940	30.0	31.0	1.0		.11	3.7	85	.09
					10941	31.0	32.0	1.0		.03	1.0	32	.03
					10942	32.0	32.6	0.6		.07	2.4	185	.19

INTERVAL FROM	INTERVAL TO	ROCK TYPE	DESCRIPTION	PLANAR FEATURE ANGLE°	SAMPLE NO.	INTERVAL FROM	INTERVAL TO	SAMPLE LENGTH	ASSAYS Pb, Zn (%)	ASSAYS Ag oz/t	ASSAYS Ag g/t	ASSAYS Au ppb	ASSAYS Au g/t
			32-32.6 - sulphides more prevalent - as blebs fine-med. grained - minor assoc. diss aspy										
			32.6-36.2 - continues variably altered - yellowish green sericite, grey to white irreg/discont. quartz veining - brecciation of veining/host prevalent - with assoc. pale green talcy mineral, orange red bladed mineral (i.e. 34.6-34.9); fol. variable - contorted/brecciated sulphides - mainly pyrite as med. grained fracture fillings 1-3% - very minor diss. aspy.		10942A	33.5-	34.0	0.5		.05	1.7	71	.07
					10943	34.0-	35.0	1.0		.03	1.0	ND	
					10944	35.0-	35.3	0.3	.039	0.31	.12	4.1	175	.18
					10945	35.3-	36.2	0.9	.005	0.15	.03	1.0	27	.03
			35.1 - 1cm qtz. vein with pyrite, aspy, red dissem. sphal - becomes more graphitic to bottom section	CA-70°									
36.2 -	39.2	argillite, graphitic	dark grey to black, fine grained; bedded - bedding irreg/contorted poss. soft sediment defm; soft -minor irreg/discont. white quartz veining -pyrite as fine grained primary (?) blebs stretched or flattened along fol. planes	CA-along core to 45°									
39.2 -	46.5	argillite brecciated/ altered	dark grey to black, fine grained; bedded/ foliated - contorted/brecciated with strong irreg/discont. white quartz veining throughout - 10% - veining is brecciated/disrupted in places. -sulphides - mainly pyrite - as f.g. blebs - along fol planes - stretched/flattened -quartz less to bottom section	CA's 40-55° where not contorted									
					10946	42 -	43.0	1.0		.06	2.1	30	.03
					10947	43 -	44.0	1.0		.05	1.7	21	.02
					10948	45.5 -	46.5	1.0		.06	2.1	69	.07
46.5 -	50.6	argillite altered	light - med yellowish grey - green, fine-med grained altered - yellow/green sericitic, variably silicified -poss. calc. silicated - skarned - weakly calcareous sulphides - med grained pyrite as fracture fillings generally along foliation - 2-3% -section is chloritized		10949	47.0 -	48.0	1.0		.04	1.4	66	.07
					10950	48.0 -	49.0	1.0		.05	1.7	55	.06
50.6 -	54.2	argillite brecciated (graphitic)	dark grey to black, fine gained; brecciated throughout with irreg/discont. quartz veining interstitial to fragments and as fracture fillings - disrupted -more foliated (regular) to bottom section sulphides - minor pyrite - fine-med grained, mainly as fracture fillings associated with quartz veining	CA's 25-30°	10951	51.5 -	52.9	1.4		.05	1.7	40	.04

LACANA MINING CORPORATION — DIAMOND DRILL RECORD — HOLE#: MS-88-5 — Page: 4 of 9

INTERVAL FROM	INTERVAL TO	ROCK TYPE	DESCRIPTION	PLANAR FEATURE ANGLE°	SAMPLE NO.	INTERVAL FROM	INTERVAL TO	SAMPLE LENGTH	ASSAYS Pb, Zn (%)	Ag oz/t	Ag g/t	Au ppb	Au g/t
			2-3% section is chloritized; soft										
54.2	63.4	argillite altered	light-med grey to yellowish green grey, fine grained; variably silicified/sericitized/chloritized -sulphides - mainly as fine-med grained fracture fillings 2-3% except 56-57.2 - associated with strong silicification chloritization with sphalerite and arsenopyrite (5-10%) mainly as fracture fillings - some disseminated 57.2-61.6 - more skarny - calc silicated with 3-4% diss. and fract. filling pyrite, scattered minor aspy. 61.6-63.4 - more argillite - chloritic to graphitic, w. extensive irreg, discont. qtz. veining; sulphides 3-5% maily Py, minor aspy. 63.0-63.4 - aspy - rock poor 30% tot. sulphide; 62.4 Py/chlor. fracture filling		10952	54.2	55.0	0.8	.005,.01	.08	2.7	106	.11
					10953	55.0	56.0	1.0	.013,010	.10	3.4	444	.44
					10954	56.0	57.2	1.2	.023,152	.35	12.0	4438	44
					10955	57.2	58.0	0.8	.021,011	.15	5.1	411	.41
					10956	58.0	59.0	1.0	.011,075	.16	5.5	408	.41
					10957	59.0	60.0	1.0		.13	4.5	233	.23
					10958	60	61	1.0		.10	3.4	133	.13
					10959	61	62	1.0		.12	4.1	55	.06
					10960	62	63	1.0		.09	3.1	66	.07
					10961	63	63.4	0.4		.14	4.8	41	.04
				CA-55°									
					10962	63.4	64.0	0.6		.05	1.7	18	.02
63.4	70.6	argillite	dark green-black, fine grained; -chloritic/graphitic -strongly quartz veined - irreg/discont - f.g. white -20-30% of rock - sulph. 2-3% - mainly pyrite, foliated through most of section - variable orient. - contorted in places (66m) 66.2-66.7 - orange red mineral (carbonate) bordering and filling vein		10963	64.0	65.0	1.0		.02	0.7	14	.01
					10964	65.0	66.0	1.0		.04	1.4	82	.08
					10965	66.0	67.0	1.0		.21	7.2	301	.3
				40-55°	10966	67.0	68.0	1.0		.03	1.0	178	.18
					10967	68.0	69.0	1.0		ND		77	.08
					10968	69.0	70.0	1.0		ND		147	.15
					10969	70.0	70.6	0.6		.02	0.7	33	.03
70.6	74.5	argillite altered	light yellowish green to dark green, fine grained; quartz - white, fine grained prevalent - 20% veining irreg/discont - boudinaged/brecciated -yellow green alteration - sericitic; section is chloritic - foliated - foliation variable/contorted 73.2-74.5 - quartz veining 30-40% sulphides - mainly pyrite - 2-3% - dw and fracture filling		10970	70.6	71.0	0.4		.04	1.4	23	.02
					10971	71.0	72.0	1.0		.05	1.7	69	.07
					10972	72.0	73.2	1.2		ND		41	.04
					10973	73.2	74.5	1.3		.02	0.7	62	.06
74.5	78.7	argillite variably altered	med yellowish green to dark green black; sericitic yellow/green to chloritic - dark green; fine grained; quartz veining associated with yellow/green sericitic zones sulphides - pyrite 1-2% - mainly as fract. fillings Foliated - foliation variable to contorted		10974	74.5	75.0	0.5		.04	1.4	47	.05
					10975	75.0	76.0	1.0		.05	1.7	144	.14
				55-65°	10976	78.0	78.7	0.7		.04	1.4	69	.07

INTERVAL FROM	INTERVAL TO	ROCK TYPE	DESCRIPTION	PLANAR FEATURE ANGLE°	SAMPLE NO.	INTERVAL FROM	INTERVAL TO	SAMPLE LENGTH	ASSAYS Pb,Zn (%)	ASSAYS Ag oz/t	ASSAYS Ag g/t	ASSAYS Au ppb	ASSAYS Au g/t
78.7	85.2	argillite altered silicified to sericitized	light-med yellow green mainly, some med-dark green chloritic sections; fine grained; generally sericitic -silicified - quartz veined to 81.5 - with contortion/ brecciation - some boudinaged veins, some carbonate associated with quartz veining. Sulphides - mainly fine grained pyrite - fracture filling blebs and disseminated, minor arsenopyrite; total sulphides - 5%		10977	78.7	80.0	1.3		.10	3.4	260	.26
					10978	80.0	80.5	0.5		.13	4.5	251	.25
					10979	80.5	81.0	0.5		.18	6.2	6849	6.8
					10980	81.0	82.0	1.0		.10	3.4	425	.43
					10981	82.0	83.0	1.0		.09	3.1	89	.09
					10982	83.0	84.0	1.0		.18	6.2	86	.09
					10983	84.0	84.8	0.8		.11	3.8	92	.09
			80.5-80.8 - Aspy as 0.5-1 cm veins(4)	CA - 60°	10984	84.8	85.2	0.4		.30	10.3	75	.08
			81-82.8 - less altered - foliated - CA's variable	gen - 20°									
			82.8-85.2 - more altered - yellow/green sericitic foliated	CA - 45°									
			83.3-83.9 - white carb vein 4-5 cm wide along core axis, aspy on contacts - Py as blebs 3-5%										
			84.8-85.0 - two 0.5-1 cm aspy/qtz veins	CA's 70-80°									
			82.3 - broken core - fragments										
85.2	91.5	argillite greywacke	med-dark green, black, fine grained; graphitic/ chloritic well foliated throughout - some boudinaging, brecciation. Foliation variable - some quartz veining - variable/discont. - 10% rock sulphides - pyrite fine-med grained as fracture fillings, and blebs, diss. along fol planes 2-3% - some siliceous beds i.e. 88.9-89	40-60°	10985	85.2	86.0	0.8		.13	4.5	33	.03
				CA - 75°	10986	90.5	91.5	1.0		.02	0.7	38	.04
91.5	96.5	argillite altered sericitized/ silicified	ligth-med yellow, green-grey, fine grained; sericitized/chloritized throughout with strongest sericitization assoc with strongest qtz veining; veins white - irreg/discont - 20% sulphides - mainly pyrite minor aspy, gal, red-brn sphal. fracture fillings and diss. blebs along fol planes 3-4% except 92.7-93.0 - 5-7% with aspy 95-96.0 - 10-15% - (20-30% aspy)		10987	91.5	92.7	1.2	.013 .065	.07	2.4	59	.06
					10988	92.7	93.0	0.3	.015 1.48	.30	10.3	1315	1.32
					10989	93.0	94.0	1.0	.018 .083	.08	2.7	53	.05
					10990	94.0	94.8	0.8	.07 0.12	.17	5.8	27	.03
					10991	94.9	96.0	1.2	.19 1.30	.30	10.3	534	.53
					10992	96.0	96.5	0.5	.20 .046	.10	3.4	100	.10
96.5	99.9	argillite greywacke	dark green-black with interbedded boudinaged med grey siliceous beds, fine grained; chloritic; foliated quartz as fine grained, white irreg/discont. veins and fragments in brecciated sections (98-98.8) -minor yellow/green sericitic zones - assoc. with quartz veining and brecciation - sulphides - pyrite mainly fracture filling - along fol 3-4%	CA 60-70°	10993	96.5	97.0	0.5		.08	2.7	69	.07
					10994	98.0	98.8	0.8		.10	3.4	27	.03

LACANA MINING CORPORATION DIAMOND DRILL RECORD HOLE#: MS-88-5 Page: 6 of 9

INTERVAL FROM	INTERVAL TO	ROCK TYPE	DESCRIPTION	PLANAR FEATURE ANGLE°	SAMPLE NO.	INTERVAL FROM	INTERVAL TO	SAMPLE LENGTH	Pb, Zn (%)	ASSAYS Ag oz/t	ASSAYS Ag g/t	ASSAYS Au ppb	ASSAYS Au g/t
99.9	101.4	sandstone silicified	light-dark green, med-coarse grined; siliceous hard; banding within section coarser to top section -sulphides - minor diss. and fracture filling Py - 1-2% - very minor aspy near bottom contact	contact- 70° CA-35-50°	10995	99.9	101.4	1.5		.13	4.5	27	.03
101.4	103.5	argillite altered brecciated	mottled med yellow, green to dark green, fine grained -sericitized/chloritized - strongest sericitization assoc. with qtz veining - irreg/discont - some brecciation; sulphides-pyrite as fracture fillings along fol planes 2-3% max		10996	101.4	102.0	0.6		.20	6.9	25	.03
					10997	102.0	103.0	1.0		.21	7.2	16	.02
					10998	103.0	103.5	0.5		.30	10.3	58	.06
103.5	109.0	argillite greywacke (variably altered	med-dark grey-green to breen black, fine grained; - well foliated/bedded throughout; variably altered- chloritized, some yellow-green sericitization, quartz as irreg/discont veins - 5% sulphides - fine to med grained pyrite as blebs/fracture fillings 2-3%	CA's 30-55°	10999	106.0	107.0	1.0		.27	9.3	21	.02
109.0	112.6	argillite/ greywacke altered/ brecciated	med-dark yellowish grey -green to dark green; fine grained - sericitized/weak to mod silicification -contorted/brecciated throughout - quartz veining -irreg/discont - brecciated with pyrite fracture fillings - some ptygmatic veining qtz - 10-20%, pyrite - 2-3%		11000	109	110	1.0		.30	10.3	123	.12
					6001	110	111	1.0		.12	4.1	41	.04
					6002	111	112	1.0		.10	3.4	19	.02
					6003	112	112.6	0.6		ND		ND	
112.6	118.0	argillite var. altered	med-dark grey-green to green black, fine to med grained; variably altered - sericitic - chloritic some areas qtz - carb veining - irreg/discont. 112.8-113.5 - strongest veining/alteration 114-118 - generally less altered - well bedded	CA's 30-45°									
118.0	119.2	argillite altered	light-dark yellowish green to dark green, fine to med grained; - altered sericitized - yellow/green some skarned sections - well bedded/bonded -sulphides - mainly pyrite, minor aspy (118,119.1) poss. chalcopyrite 118.5 m total sulphide 2-4%	CA-45°	6004	118	119.2	1.2		.21	7.2	82	.08

INTERVAL FROM	TO	ROCK TYPE	DESCRIPTION	PLANAR FEATURE ANGLE°	SAMPLE NO.	INTERVAL FROM	TO	SAMPLE LENGTH	ASSAYS Pb, Zn (%)	Ag oz/t	Ag g/t	Au ppb	Au g/t
119.2	121.3	argillite/ siltstone	light-med grey-green (silty) to dark green (argillite) fine to med grained finely bedded - some calc. interbeds - minor fract. filling pyrite 1%	CA-50-65°									
121.3	121.9	gouge - fault zone	med-dark grey-black graphitic gouge cut by brecciated quartz - poor carbonate veining, pyrite prevalent as blebs throughout zone 1-3%		6005	121.3	121.9	0.6		.14	4.8	14	.01
121.9	135.0	argillite-greywacke graphitic var. altered	med-dark grey-green to black, fine grained; - weakly to moderately altered on top contact (to 123.5) -banded/bedded throughout - some contortion -irreg/discont - boudinaged qtz. veining throughout - 10% sulphides-pyrite as boudinaged beds/fragments -irregular - gen along banding 3-4%	CA's 40-50°									
			128.4- 130 m - brecciated/boudinaged area-qtz veining - irreg/discont - brecciated 20-30% - some skarning - minor pyrite, sphalerite (129.6)		6006	128.4	129.3	0.9	.006 .01	.06	2.1	ND	
					6007	129.3	130.0	0.7	.018 .025	.11	3.8	ND	
			130-135 m - well bedded greywacke	CA's 45-60°	6008	134	135	1.0		.09	3.1	44	.04
			134-135 - becomes skarned										
135.0	144.5	skarn	light-dark purplish grey-green fine to med grained;		6009	135	136	1.0		.07	2.4	ND	
			calc - silicated throughout, banded/bedded through-		6010	136	137	1.0		.10	3.4	137	.14
			out - variably deformed to 138.2 m	35-55°	6011	137	138.2	1.2		.15	5.1	55	.06
			138.2-143 - contorted/deformed with extensive quartz		6012	138.2	139.0	0.8		.10	3.4	130	.13
			veining - irreg/discont - some carb. veining along		6013	139.0	140.0	1.0		.12	4.1	ND	
			core axis pink/white; beds are boudinaged through-		6014	140.0	141.0	1.0		.17	5.8	ND	
			out; sulphides - fracture fillings and disseminated		6015	141.0	142.0	1.0		.08	2.7	ND	
			pyrite minor, poss. arsenopyrite - total sulphides		6016	142.0	143	1.0		.07	2.4	18	.02
			3-4%		6017	143	144.5	1.5		.09	3.0	ND	
			140-140.1 - fine grained diss. py, poss. aspy diss. in grey matrix										
			140.3-140.5 - Py poss. aspy with green amph sulphide -5%										
			143-144.5 - less deformed - occasional qtz veining -some banding; pyrite mainly as bands - discont, narrow along banding/bedding	CA - 35°									

INTERVAL FROM	INTERVAL TO	ROCK TYPE	DESCRIPTION	PLANAR FEATURE ANGLE°	SAMPLE NO.	INTERVAL FROM	INTERVAL TO	SAMPLE LENGTH	ASSAYS Pb, Zn (%)		Ag oz/t	Ag g/t	Au ppb	Au g/t
144.5	150.4	argillite greywacke var. altered	med-dark grey to black to light med grey - green in skarned sections generally fine grained; well banded/bedded	CA's 35-50°	6018	147	147.5	0.5			.04	1.4	27	.03
			144.5-145.9 - graphitic/chloritic argillite - well bedded		6019	148	149	1.0			.12	4.1	41	.04
			145.9-146.3 - skarned section - some contortion/qtz		6020	149	150.4	1.4			.05	1.7	30	.03
			146.3-148 - minly graph/chloritic argillite except 147.2-147.5 - skarned - some contorted bedding											
			148-150.4 - skarned with more extensive quartz veining - irreg/discont. sulphides assoc. 3-4% - pyrite - diss and fracture filling											
150.4	151.1	argillite graphitic	dark green to black. fine grained; - well bedded/ foliated contorted to bottom; strongly graphitic pyrite - diss and fracture filling - 3-4%	CA-40°	6021	150.4	151.1	0.7			.03	1.0	192	.19
151.1	167.4	argillite greywacke var. altered/ skarned	light grey-green (skarned sections) to dark green black - argillite sections; variably deformed throughout -		6022	151.1	152	0.9			.35	12.0	34	.03
			151.1-152 - contorted with strong quartz veining		6023	152	153	1.0	.009	.009	.28	9.6	27	.03
			152-157 - mixed skarn/argillite - variable deformation; sulphides - pyrite 4-5% - diss. and fract. filling along banding - cherty, silicified - minor sphal.		6024	153	154	1.0	.005	.008	.30	10.3	33	.03
					6025	154	155	1.0	.005	.015	.26	8.9	32	.03
					6026	155	156	1.0	.006	.009	.22	7.5	26	.03
					6027	156	157	1.0	.008	.01	.26	8.9	34	.03
					6028	157	158	1.0	.008	.009	.30	10.3	16	.02
					6029	158	159	1.0			.21	7.2	27	.03
			155.3-155.6 - irreg/discont qtz veining		6030	159	159.7	0.7			.24	8.2	ND	
			157-159.7 - mainly chloritic/graphitic argillite -silicified, sulphides - mainly finely diss 4-6%		6031	159.7	160	0.3			.40	13.7	390	.39
					6032	160	161	1.0			.30	10.3	14	.01
			159.5 - yellow-green sericitic alteration											
			159.7-159.9 - aspy/Py - diss. fract. filling 5-10%											
			159.9-162.8 - var. alt. argillite/greywacke - 10% qtz as discont veins along bedding-pyrite fract. filling and diss. 2-3%		6033	162	162.8	0.8			.30	10.3	44	.04
					6034	162.8	164.0	1.2			.35	12.0	27	.03
			162.8-164 - chloritized (veined) silicified argillite-bedding-veining along and cross cutting bedding - pyrite assoc. - mainly fracture filling - fine grained 3-5%	CA - 50°	6035	165	166	1.0			.30	10.3	14	.01
			164-167.4 - var. altered argillite - some bedding; sulphides - minor pyrite - mainly fracture filling - 2%	CA - 50°										

LACANA MINING CORPORATION — DIAMOND DRILL RECORD — HOLE#: MS-88-5 — Page: 9 of 9

INTERVAL FROM	INTERVAL TO	ROCK TYPE	DESCRIPTION	PLANAR FEATURE ANGLE°	SAMPLE NO.	INTERVAL FROM	INTERVAL TO	SAMPLE LENGTH	ASSAYS Pb, Zn (%)	ASSAYS Ag oz/t	ASSAYS Ag g/t	ASSAYS Au ppb	ASSAYS Au g/t
167.4	174.0	argillite graphitic	dark grey to black, fine grained; strongly graphitic - extensive irreg/discont white qtz veining - along and across foliation - 10%; contorted with some gouge (169.8, 171.9)		6036	167.4	168	0.6		.30	10.3	6	.01
					6037	168.0	169	1.0		.26	8.9		ND
					6038	169	169.9	0.9		.29	9.9		ND
			169.9-171.8 - med-dark grey sst		6039	169.9	171.0	1.1		.34	11.7	34	.03
			171.8-172.9 - irreg qtz veining - 30% in graph arg, minor aspy - sulphides - pyrite as fracture fillings, blebs and diss throughout zone - 3-5%		6040	171.0	171.8	0.8		.30	10.3	41	.04
					6041	171.8	172.9	1.1		.38	13.0		ND
					6042	172.9	173.3	0.4		.40	13.7	14	.01
					6043	173.3	174.0	0.7		.38	13.0		ND
174.0	176.0	sandstone/ grit	light-med grey-green, fine to med grained; - sandy altered - sericitic; diss fine grained pyrite 2-3% max		6044	174	175.5	1.5		.20	6.9	69	.07
					6045	175.5	176.0	0.5		.18	6.2		ND
			175.6 - 3 cm graphitic gouge	CA - 70°									
			176.5-176 - brecciated zone										
176.0	180.3	argillite	med-dark grey, fine grained; banded but massive, soft sulphides - pyrite -fract. filling and diss., minor sph, cpy - 2-3%	CA's 40-45°	6046	176.0	177.0	1.0		.37	12.7	23	.02
					6047	179	179.9	0.9		.31	10.6	7	.01
			179.9-180.3 - more qtz - irreg/discont boudinaged along bedding/fol; pyrite 3-5%		6048	179.9	180.3	0.4		.40	13.7	18	.02
			176.9 - Py, sphal, cpy assoc. with 1 cm qtz vein										
180.3	186.5	skarn	light yellow, green to light-med grey, fine grained; well banded -grey/green bands; silicified - scattered qtz/carb veining along banding		6049	180.3	181.0	0.7	.008 .01	.42	14.4	29	.03
				CA-45-65°	6050	181.0	182.0	1.0	.006 .063	.30	10.3		ND
			sulphides - pyrrhotite, pyrite as blebs assoc with qtz to 2 cm diam. - magnetic, minor py, sph, cpy - fract. fillings, yellowish green amphibole prevalent		6051	185	186	1.0		.36	12.3		ND
186.5		End of Hole											

...ORIES LIMITED
Assayers and Analytical Chemists
P. O. Box 520 920 Bridge Street, Bathurst, N. B. E2A 3Z4
Phone: 546-4775

Identification: Lacana Mining Corp.

Description: Drill Core

March 23, 1988

MS-88-5
110 — 186 m

Sample No.	Lab. No.	Weight	Ag oz/ton	Au ppb
6001		110 - 111m	.12	41
6002			.10	19
6003			ND	0
6004			.21	82
6005			.14	14
6006			.06	0
6007			.11	0
6008			.09	44
6009			.07	0
6010			.10	137
6011			.15	55
6012			.10	130
6013			.12	0
6014			.17	0
6015			.08	0
6016			.07	18
6017			.09	0
6018			.04	27
6019			.12	41
6020		149 - 150.4	.05	30

Checked by: _____

Analyst: _____
Robert Stairs

...ORIES LIMITED

Assayers and Analytical Chemists

P. O. Box 520 920 Bridge Street, Bathurst, N. B. E2A 3Z4

Identification: Lacana Mining .corp.

Description: Drill Core

March 23, 1988

Sample No.	Lab. No.	Weight	Ag oz/ton	Au ppb
6021		150.4-151.1	.03	192
6022			.35	34
6023			.28	27
6024			.30	33
6025			.26	32
6026			.22	26
6027			.26	34
6028			.30	16
6029			.21	27
6030			.24	0
6031			.40	390
6032			.30	14
6033			.30	44
6034			.35	27
6035			.30	14
6036			.30	6
6037			.26	0
6038			.29	0
6039			.34	34
6040		171-171.8	.30	41

Checked by: _____

Analyst: Robert Stairs

COASTAL LABORATORIES LIMITED

Assayers and Analytical Chemists

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Identification: Lacana Mining Corp.

March 23, 1988

Description: Drill Core

Sample No.	Lab. No.	Weight	Ag oz/ton	Au ppb							
6041		171.8-172.9	.38	0							
6042			.40	14							
6043			.38	0							
6044			.20	69							
6045		175.5-176	.18	0							
6046			.37	23							
6047			.31	7							
6048			.40	18							
6049			.42	29							
6050			.30	0							
6051		185-186	.36	0							

Checked by: _____

Analyst: _____

Robert Stairs

CUSTOM LABORATORIES LIMITED
Assayers and Analytical Chemists
P. O. Box 520 920 Bridge Street, Bathurst, N. B. E2A 3Z4
Telephone: 546-4775

-1-

Identification: Lacana Mining Corp.

Description: Drill Core (Pulp)

April 8, 1988

MSHaw

Sample No.	Lab. No.	Weight	Pb %	Zn %							
6006			.006	.01	✓						
6007			.018	.025	✓						
6023			.009	.009	✓						
6024			.005	.008	✓						
6025			.005	.015	✓						
6026			.006	.009	✓						
6027			.008	.01	✓		MS	88-5			
6028			.008	.009	✓						
6049			.008	.01	✓						
6050			.006	.063	✓						
10920 ✓			.01	.023							
10921 ✓			[illegible]	[illegible]							
10922 ✓			.008	.02							
10944 ✓			.039	.31							
10945 ✓			.005	.015			MS-89-5				
10952	✓		.005	.01							
10953	✓		.013	.10							
10954	✓		.023	[illegible]							
10955	✓		.021	.11							
10956	✓		.011	.75							

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Analyst: _____
Robert Stairs

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P. O. Box 520 920 Bridge Street, Bathurst, N. B. E2A 3Z4

Identification: Lacana Mining Corp.

Description: Drill Core (Pulp)

April 8, 1988

Sample No.	Lab. No.	Weight	Pb %	Zn %
10987			.013	.065
10988			.15	[redacted]
10989			.018	.083
10990			.07	.12
10991			.19	[redacted]
10992			.02	.046

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Assayers and Analytical Chemists
P. O. Box 520 920 Bridge Street, Bathurst, N. B. E2A 3Z4

Identification: Lacana Mining Corp.

Date: March 16, 1988

Description: Drill Core

NS-88-5 (first part) 9.0m - 63m

Sample No.	Lab. No.	Weight	Ag oz/ton	Au ppb
10920		9-9.5m	.13	0
10921			5.10	0
10922			.18	0
10923			.13	18
10924			.07	0
10925			.07	30
10926			.10	0
10927			.05	0
10928			.15	23
10929			.10	0
10930			.17	0
10931			.20	21
10932			.23	0
10933			.13	0
10934			.08	8
10935			.15	100
10936			.07	0
10937			.08	0
10938			.10	0
10939		29-30m	.17	14

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Analyst: Robert Stairs

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Identification: Lacana Mining Corp.

March 16, 1988

Description: Drill Core

Sample No.	Lab. No.	Weight	Ag oz/ton	Au ppb
10940			.11	85
10941			.03	32
10942			.07	185
10942A			.05	71
10943			.03	0
10944			.12	175
10945			.03	27
10946		42-43m	.06	30

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...STOM L... ...ORIES LIMITED
Assayers and Analytical Chemists
P. O. Box 520 920 Bridge Street, Bathurst, N. B. E2A 3Z4
Telephone: 546-4779

Identification: Lacana Mining Corp.

Description: Drill Core

March 23, 1988

MS-88-5
43-140m.

Sample No.	Lab. No.	Weight	Ag oz/ton	Au ppb
10947		43-44m	.05	21
10948			.06	69
10949			.04	66
10950			.05	55
10951			.05	40
10952			.08	106
10953			.10	444
10954	1.2m	56-57.2	.35	4438
10955			.15	411
10956			.16	408
10957			.13	233
10958			.10	133
10959			.12	55
10960			.09	66
10961			.14	41
10962			.05	18
10963			.02	14
10964			.04	82
10965			.21	301
10966		67-68m	.03	178

Checked by: _____

Analyst: Robert Stairs

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Assayers and Analytical Chemists
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Telephone: 546-4779

Identification: Lacana Mining Corp.

Description: Drill Core

March 23, 1988

Sample No.	Lab. No.	Weight	Ag oz/ton	Au ppb
10967			ND	77
10968			ND	147
10969			.02	33
10970			.04	23
10971			.05	69
10972			ND	41
10973			.02	62
10974			.04	47
10975			.05	144
10976		78-78.7	.04	69
10977			.10	260
10978			.13	251
10979		0.5m 80.5-81	.18	6849
10980			.10	425
10981			.09	89
10982			.18	86
10983			.11	92
10984		pf 8-85.2	.30	75
10985			.13	33
10986		90.5-91.5	.02	38

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Assayers and Analytical Chemists
P. O. Box 520 920 Bridge Street, Bathurst, N. B. E2A 3Z4
Phone: 546-4779

Identification: Lacana Mining Corp.

Date: March 23, 1988

Description: Drill Core

Sample No.	Lab. No.	Weight	Ag oz/ton	Au ppb
10987			.07	59
10988			.30	1315
10989			.08	53
10990			.17	27
10991			.30	534
10992		96-96.5	.10	100
10993		96.5-97m	.08	69
10994			.10	27
10995			.13	27
10996			.20	25
10997			.21	16
10998			.30	58
10999			.27	21
11000		109-110m	.30	123

Checked by: _____

Analyst: Robert Stairs

LACANA MINING CORPORATION . DIAMOND DRILL RECORD HOLE#: MS-88-6 Page: 1 of 6

Property: Millstream
Area (Map #)
Claim #:
M.D./County: Gloucester
Province: New Brunswick

Location:
Grid: L.51 50W + 830N
Length: 114.7 (Units: meter)
Azimuth: 160 Dip Collar: 45°

Down Hole Surveys:

Depth:	Az:	Dip:
44.5 m	163	-45
76.2	(150)	-45°

Drilled by: Ideal
From-To:
Size(s): BQ
Logged by: John Duncan
Signed: (John Duncan)

Remarks:

INTERVAL(m) FROM	TO	ROCK TYPE	DESCRIPTION	PLANAR FEATURE ANGLE°	SAMPLE NO.	INTERVAL FROM	TO	SAMPLE LENGTH	ASSAYS Pb, Zn (%)	Ag (oz/ton)	Au (ppb)
0	10.6 casing	overburden & rubble	sheared sediment minor Fe/carbonate - weakly weathered sheared argillite-tuffaceous								
10.6	15.8	shear - faulted section - local gouge	-blocky core 11.0-14.7 - 10% qtz/ca stockwork frag., sheared argillaceous gouge matrix light ∢70°-40° grey, trace pyrite from 11.0-14.0 ground core 2.5 m @ 14.0-14.7 blocky gouge material @ 14.7-15.8 sil fine grained grey green possible skarned mafic 10% qtz/car, sheared matrix, tuffaceous arg?	ground core	5302 5303 5304 5305 5306	11.0 12.5 14.0 14.6 15.8	- 12.5 - 14.0 - 14.6 - 15.8 - 16.5	1.5 1.5 0.6 1.2 0.7		0.12 0.06 0.12 0.10 0.09	110 27 25 27 26
15.8	16.5	dark grey weak sheared argillite	a blocky core, sharp contact @ 15.8 ∢35, sheared gouge matrix compositional change→argillaceous local ∢ 40° shear 1.2% py, weak. see contact @ 16.2								
16.5	20.3	altered argillite (local sheared)	light yellowish green weak sericitic bleached argillite local - talcy argillic shearing trace barren py @ 16.5 ∢ 50° fol - light grey matrix - weak sericitic @ 16.8 - 16.94 - soft bleached light yellowish grey talcy - argillic @ 17.1 ∢60° fol, 17.1-18.5 soft yellowish grey talcy argillic local shear gouge ∢ 60° 18.5-20.3 - veining sericitic laminated argillite ∢ 25-40° fol trace pyrite 5% qtz/ca fracture filling @ 20.3 shear breccia contact ∢ 60° trace - 1% pyrite		5274 5275 5276 5277	16.5 17.4 18.5 19.5	- 17.4 - 18.5 - 19.5 - 20.3	0.9 1.1 1.0 0.8		0.10 0.03 0.06 0.06	0 0 0 0

LACANA MINING CORPORATION DIAMOND DRILL RECORD HOLE#: MS-88-6 Page: 2 of 6

INTERVAL FROM	INTERVAL TO	ROCK TYPE	DESCRIPTION	PLANAR FEATURE ANGLE°	SAMPLE NO.	INTERVAL FROM	INTERVAL TO	SAMPLE LENGTH	ASSAYS Pb,Zn (%)	ASSAYS Ag (oz/ton)	ASSAYS Au (ppb)
20.3	23.2	weak altered argillite	-light grey weak sericitic - argillite - local sheared - gouged contacts ∢60-75° trace pyrite minor calcareous section - Fol ∢ 45-50° - 5% qtz/ca stringers minor contorted section-local shear gouge contact, trace barren sulphides - silicified 23.0 ∢60° Fol		5278	20.3	21.3	1.0		0.05	27
					5279	21.3	22.5	1.2		0.05	21
					5280	22.5	23.2	0.7		0.06	0
23.2	34.0	sheared - altered ultra mafic	@ 23.2 - 26.3 - light grey green sheared fractured weak chl. mafic, local shear gouge sections - blocky core trace pyrite ∢65° shear gouge contacts 10-15% qtz/ca stockwork @ 25.0-25.6 blocky ground core		5281	23.3	25.0	1.8		0.04	0
					5282	25.0	26.0	1.0		0.11	10
					5283	26.0	26.3	0.3		0.11	19
					5284	26.3	28.2	1.9	0.012	0.10	411
			@ 26.3-28.2. silicified zone. 30% qtz/ca matrix. fragmented-bleached mafic clasts - light green stain, fractured local gouge @ 26.5 ∢60° (pyrite) green mica? @ 27.9 - shear gouge-fragmental @28.2-28.8								-
			10-15% white feld porphyroblasts, fine grained grey green matrix - possible healed shear -		5285	28.2	28.8	0.6		0.07	27
			calcareous gouge shear @ 28.6∢70° 28.8-30.0 sheared foliated ultra mafic fragmental weak calcareous matrix, light green clasts, weak talc ∢70-45° fol		5286	28.8	29.8	1.0		0.10	0
			@ 30.0 ∢65° 10 cm shear gouge @ 30.1-30.8 as 28.2-28.8 weak ser bleached - 10% whitish porphyroblasts-		5287	29.8	30.8	1.0		0.05	0
			local chl. squeezed clasts - possible healed shear		5288	30.8	31.8	1.0		0.10	0
		magnetic →	@ 30.8-34.0 shear ultra mafic - local magnetic section, blebs stringers-magnetite								
			30.8-34.0 - sheared local massive dark green talc sections local talc - carbonate matrix shear fol. shearing ∢ 40.0-50.0		5289	31.8	33.0	1.2		0.11	0
			from 33.3-34.0 transition contact decreases talc shearing 10-15% qtz/ca stockwork fragments fine grained massive mafic (gabbroic)- sp tted pinkish grey leucoxene alteration? - talc alteration but within matrix- less shearing~trace sulphides - py		5290	33.0	34.0	1.0		0.07	0

INTERVAL FROM	INTERVAL TO	ROCK TYPE	DESCRIPTION	PLANAR FEATURE ANGLE°	SAMPLE NO.	INTERVAL FROM	INTERVAL TO	SAMPLE LENGTH	ASSAYS Pb,Zn (%)	ASSAYS Ag (oz/ton)	ASSAYS Au (ppb)
34.0	48.9	fine grained altered mafic intrusive-talc (gabbroic)	grey green fine grained 20% feld matrix talc altered 15-20% pinkish grey spotted leucoxene alteration ? gabbroic texture local sheared & minor qtz/ca stockwork - nonmagnetic - calcareous matrix @34.7-36.0 blocky core - weak sheared talcy slips minor gouge @ 36.0 ∢ 65° qtz/ca - feld rims along closed edges - qtz/ca stockwork veins 1cm - 20cm - 60mm -@36.5 ∢ 45° qtz/ca, 37.7 ∢ 65°, 38.9 ∢ 45° @39.4 ∢ 55° qtz/ca minor py rims weak fol ∢ 40° @42.0 ∢ 42°, @42.5 ∢ 25° 5mm qtz/ca 10% sulphides - sphalerite/galena py @ 44.3 ∢ 55° qtz/ca 8 cm 45.3 - 45.50 ∢ 50° qtz/ca barren sulphides from 47.9- 48.2 - 60% qtz/ca 10% py → increase qtz/ca stockwork 10-15% ∢ 60-65°		5291	34.0	34.7	0.7		0.20	86
					5292	42.4	42.7	0.3	0.008	0.25	280
					5293	47.9	48.2	0.3		0.12	41
					5294	48.2	48.9	0.7		0.10	29
48.9	51.0	weak altered green argillaceous conglomerat	weak sericitic altered -wispy fol - dark grey green squeezed - rounded sediment clasts local 1% py minor 5% qtz/ca stringers - sheared fol. @ 48.9 - 49.3 - 30% qtz/ca matrix 1-2% py - stockwork - ∢ 60-70° fol		5295	48.5	49.3	0.4		0.13	192
					5296	49.3	50.5	1.2		0.10	55
					5297	50.5	51.0			0.10	18
51.0	64.9	dark maroon slt/conglomerate / gwk - local qtz altered sections	From 51.0 - clast compositional change→includes - redish maroon - squeezed clasts local grading to gwk slt beds local occassional qtz/ca stringers & minor qtz/chl py stockwork with associated ser. alteration local hair qtz/ca stringers - magnetite specks. @ 53.4 ∢ 10° cuts fol ∢ 45° @ 54.4 ∢ 55° fol @ 54.7 - 54.8 weak altered yellowish green ser 1-2% py ∢ 45° fol @ 56.1 - 56.2 ∢ 60° massive qtz tr 1% py/chl, → 56.3 - altered weak sericitic - green matrix 5mm qtz/ca pyrite @56.8-57.0 greywacke grades to fine grained grey-green - maroon slt. ∢ 60° contact 57.0 - 57.5 - maroon squeezed sed. clasts congl. @57.5 ∢ 55° contact - 57.6 maroon silt 57.6 - 59.8 - 10-15% qtz. stockwork - weak ser. altered argillaceous matrix qtz. stockwork Trace - 1% pyrite increase alteration. From 58.4 @59.8 - 60.4 - 10-15% maroon - light green sed. clasts squeezed ∢ 65° @60.4 ∢ 65° maroon slt. bed - graditional weak		5298	53.3	53.6	0.3		0.15	0
					5299	56.1	56.4	0.3		0.07	14
					5300	57.6	58.4	0.8		0.10	0
				02-06 (p.49)	5301	58.4	59.8	1.4		0.08	219
					5307	60.4	61.3	0.9		0.07	41

INTERVAL FROM	INTERVAL TO	ROCK TYPE	DESCRIPTION	PLANAR FEATURE ANGLE°	SAMPLE NO.	INTERVAL FROM	INTERVAL TO	SAMPLE LENGTH	ASSAYS Pb,Zn (%)	ASSAYS Ag (oz/ton)	ASSAYS Au (ppb)
51.0	64.9	cont'd	altered greenish matrix slt. local clasts 5-10% total pyrite stockwork qtz/ca - 61.3								
			@61.3-62.0 - slt. maroon-green grades to conglom/gwk squeezed clasts ∢60° Fol.		5308	61.3	62.0	1.0		0.10	5
			62.0-62.8 - weak altered grey green phyllite - 10% qtz/py - local magnetite rims &qtz/mag fracture filling 1-3 cm qtz stockwork ∢60-65°		5309	62.0	62.8	0.8		0.04	247
			@62.8-63.0 - gwk fragments maroon sediment clasts ∢65° - 63.0-64.1 as 62-62.8 weak altered greenish matrix - phyllite - 10-15% qtz/ca pyrite local		5310	62.8	64.1	1.3		0.05	0
			magnetic ∢65-70° @64.1 greywacke grades ∢65° to maroon slt. 5% qtz/ca stringer ∢60° - 64.9		5311	64.1	64.9	0.8		0.06	14
64.9	82.1	Calcareous grey slt./dark-light grey/argillite (local qtz/ca stockwork)	light grey/green argil. phyllite - laminated calcareous slt. - local sections - 10-20% qtz/ca stockwork - associated weak ser alteration & silicifaction - barren sulphides except for minor qtz stringers 1% po trace pyrite		5312	64.9	66.0	1.1		0.19	0
			@64.9-67.85 weak altered grey green matrix trace <1% pyrite replacement qtz/ca porphyroblasts - 15-25% qtz/ca stockwork trace pyrite - barren ∢60-45 Fol ∢50-60° qtz stockwork		5313	66.0	67.8	1.8		0.16	5
			67.8 →decrease qtz/ca stockwork - local sections @68.3 weak breccia ∢45° fol ∢10° fracture qtz/ca ∢45° stockwork slt laminations ∢45°								
			@68.7 ∢80° qtz/ ∢45° Fol. @69.4-69.5 - 50% qtz/ca stockwork ∢45° barren @70.0-70.4 weak altered Sil. slt. ∢45° @70.7 ∢60° weak buff brown ser altered @71.5 ∢45° calcareous slt laminated @73.0 weak altered siliceous matrix 73.0-74.0 5% 5mm qtz/ca stringer ∢75° cut fol of ∢40°. @74.2 ∢2cm ser altered band ∢35° cut by qtz fracture filling - weak bleach contact ∢55°. @75.2-75.6 - 40% qtz/ca trace pyrite ∢35-20°. 75.6-76.5 - light grey calcareous laminated ∢45° slt →argillaceous matrix darker grey than previous sections @77.0 ∢35° calcareous laminated slt. trace pyrite								
			@77.6 ∢15° 5mm qtz/ca 10% sulphides mag. po. @78.0 ∢45° qtz/ca stockwork slt. calcareous contact @79.2 ∢55° 8cm qtz/ca sheared contact @79.5 ∢50°		5314	77.2	77.6	0.4		0.05	0

LACANA MINING CORPORATION — DIAMOND DRILL RECORD — HOLE#: MS-88-6 — Page: 5 of 6

INTERVAL FROM	INTERVAL TO	ROCK TYPE	DESCRIPTION	PLANAR FEATURE ANGLE°	SAMPLE NO.	INTERVAL FROM	INTERVAL TO	SAMPLE LENGTH	ASSAYS Pb, Zn (%)	ASSAYS Ag (oz/ton)	ASSAYS Au (ppb)	
64.9	82.1	cont'd	calcareous slt. @79.7-79.8 cg-sst possible show calcareous matrix 10% rounded qtz weak arg. fol @79.8 35° calcareous - slt/laminated @80.9 ∢30-45° c.g. slt, f.g. sst, calcareous @82.0 ∢55° qtz/ca breccia slt. clasts - 82.1									
82.1	91.7	calcareous argillite siltstone	light grey calcareous slt lamination - light-dark grey argillaceous - bands - matrix decrease qtz/ca stockwork - 5% 82.1-91.7 ∢40-60° fol laminations ∢50-20° qtz/ca stringers cut fol barren sulphides									
91.7	114.7	weak altered calcareous arg/slt - local py	as before calcareous - weak altered brownish green matrix 5-10% carbonate stringers local sections - hair pyrite minor po fracture fillings @92.3 ∢45°		5315	96.3	97.3	1.0		0.10	18	
			slt lamination, 96.3 ∢50° @97.3 - 5cm - 20% sulphides pyrite/sphalerite calcareous matrix @98.0 ∢30° fol		5316	97.3	97.6	0.3	0.14	8.89	4712	*
			slt lamination @99.8 ∢5° fol ∢50° hair pyrite		5317	98.6	99.8	1.2		0.10	0	
			fracture @99.0 same ∢60° ca stringer trace po		5318	99.8	100.8	1.0		0.09	18	
			@99.3 ∢60° hair pyrite ∢0 fol @99.7 qtz/ca stockwork 1% pyrite po @100.3 ∢55° pyrite hair fractures									
			∢40° qtz/ca. @100.8 ∢20° fol calcareous. @100.9 -101.0 - 5% pyrite diss. & hair fractures. @101.3 -		5319	100.8	101.4	0.6		1.25	55	*
			1cm qtz/ca 2% sulphides po/tr Pb; from 101.3 → increase carbonate stockwork 10-20% notable increase magnetite pyrrhotite - blebs within altered argillite matrix -		5320	101.4	102.4	1.0		0.12	27	
			brownish weak ser altered po blebs also associated with ca stringer - minor pyrite section-sulphides									
			less than 1% local calcareous slt laminated - @101.8 2cm carbonate 1% py/po @102.8 ∢70° carbona e 5mm		5321	102.4	103.3	0.9		0.10	27	
			cuts calcareous fol @ ∢25° @102.5 ∢30° carbonate @102.8-103.3 60% carbonate stockwork ∢50° <1% po		5322	103.3	104.4	1.0		0.07	27	
			@103.6 ∢20° calcareous lamination fol & 3 cm ca		5323	104.4	105.5	1.0		0.06	21	
			@103.8 trace po blebs @104.3 same @104.4-105.5		5324	105.5	106.5	1.0		0.05	18	
			40% carbonate stockwork <1% po blebs - contorted		5325	106.5	107.5	1.0		0.04	18	
			weak folding shearing @105.5-108.5 - 10-15% carbonate/ qtz stockwork ∢20-45° fol local contorted ∢0-25°		5326	107.5	108.5	1.0		0.05	21	
			<1% po blebs @10 .5-113.5 decrease carbonate									
			stockwork 10%. @108.5-113.5 - minor po blebs		5327	108.5	109.5	1.0		0.05	27	
			associated with qtz/ca stockwork graditional		5328	109.5	110.5	1.0		0.05	18	
			decrease in stringer ca & minor po blebs		5329	110.5	111.5	1.0		0.06	0	

LACANA MINING CORPORATION DIAMOND DRILL RECORD HOLE#: MS-88-6 Page: 6 of 6

INTERVAL FROM	INTERVAL TO	ROCK TYPE	DESCRIPTION	PLANAR FEATURE ANGLE°	SAMPLE NO.	INTERVAL FROM	INTERVAL TO	SAMPLE LENGTH	ASSAYS Pb, Zn (%)	ASSAYS Ag (oz/ton)	ASSAYS Au (ppb)
91.7	114.7	cont'd	∠40-50° ca local fracture filling ∠75 & 20° from 113.5 graditional decreases in brownish weak ser. matrix →light grey ∠30° calcareous slt lamination →sample to 111.5 cont'd if anomalous Ag/Au 113.5-114.7 local weak altered ∠30° fol 5-10% carbonate stringer E.O.H. 114.7 meters								

Assayers and Analytical Chemists -1-
P. O. Box 520 920 Bridge Street, Bathurst, N. B. E2A 3Z4

Identification: Lacana MiningCorp.

March 16, 1988

Description: Drill Core

MS-88-6

Sample No.	Lab. No.	Weight	Ag oz/t	Au ppb
5274			.10	0
5275			.03	0
5276			.06	0
5277			.06	0
5278			.05	27
5279			.05	21
5280			.06	0
5281			.04	0
5282			.11	10
5283			.11	19
5284			.10	411
5285			.07	27
5286			.10	0
5287			.05	0
5288			.10	0
5289			.11	0
5290			.07	0
5291			.20	86
5292			.25	280
5293			.12	41

Checked by: _____

Analyst: _____
Robert Stairs

Assayers and Analytical Chemists -2-

P. O. Box 520 920 Bridge Street, Bathurst, N. B. E2A 3Z4

Identification: Lacana Mining Corp.

Description: Drill Core

MS-88-6

March16, 1988

Sample No.	Lab. No.	Weight	Ag oz/ton	Au ppb							
5294			.10	29							
5295			.13	192							
5296			.10	55							
5297			.10	18							
5298			.15	0							
5299			.07	14							
5300			.10	0							
5301			.08	219							
5302			.12	110							
5303			.06	27							
5304			.12	25							
5305			.10	27							
5306			.09	26	✓						
5307			.07	41							
5308			.10	5							
5309			.04	247							
5310			.05	0							
5311			.06	14	✓						
5312			.19	0							
5313			.16	5							

Checked by: _____

Analyst: Robert Stairs

CUSTOM L... ...TORIES LIMITED
Assayers and Analytical Chemists
P. O. Box 520 920 Bridge Street, Bathurst, N.B. E2A 3Z4
Telephone: 546-4779

Identification: Lacana Mining Corp.

Description: DrillCore - (Don Hoy)

#88-136
MS-88-6

March 18, 1988

Sample No.	Lab. No.	Weight	oz/t Ag		PPb Au						
5314			.05		0						
5315			.10		18						
5316			8.89		4712						
5317			.10		0						
5318			.09		18						
5319			1.25		55						
5320			.12		27						
5321			.10		27						
5322			.07		27						
5323			.06		21						
5324			.05		18						
5325			.04		18						
5326			.05		21	✓					
5327			.05		27						
5328			.05		18						
5329			.06		0						

Checked by: _____

Analyst: Robert Stairs

LACANA MINING CORPORATION . DIAMOND DRILL RECORD HOLE#: MS-88-7 Page: 1 of 7

Property: Millstream
Area (Map #)
Claim #:
M.D./County: Gloucester
Province: New Brunswick

Location:
Grid: L 45+00W + 775N

Length: 161.5 (Units: meter)
Azimuth: 340.0° Dip Collar: -45°

Down Hole Surveys:

Depth:	Az:	Dip:
30.5	344.0	45°
61.0	343.0	-47
91.4	344.0	-48
121.9	342.0	(-45)
152.9	344.0	-49

Drilled by: Ideal
From-To:
Size(s): BQ
Logged by: J. Duncan
Signed: (J. Duncan)

Remarks:

INTERVAL (m) FROM	TO	ROCK TYPE	DESCRIPTION	PLANAR FEATURE ANGLE°	SAMPLE NO.	INTERVAL FROM	TO	SAMPLE LENGTH	ASSAYS Pb, Zn (%)	Ag (oz/ton)	Au (ppb)
0	3.8	casing									
3.8	8.5	sil. weak altered arg/gwk	@ 3.8-6.0 light grey sil. fine grained weak altered - argillite ? tuffaceous - 5% qtz. stockwork tr py local hair fracture filling ∢30° qtz. ∢20° py tr sphalerite @5.2 from 6.0 - sil dark grey matrix - arg matrix. 5-10% whitish porphyroblasts-gwk matrix - minor hair py fracture filling @7.9-8.4 ground blocky core								
8.5	32.3	Dark grey stretched congl/ gwk	from 8.5-15.2 - dark grey fine grained-magnetic matrix - squeezed light grey sed. clasts maroon clasts - congl. gwk local qtz. stockwork ∢40-50 fol. qtz. ∢15-20° qtz.-30%,@13.8-14.0 & 14.7-15.1 @16.3 ∢30° 5mm py diss. ∢45° squeezed clasts @17.0 ∢0° 5mm py @19.0 ∢50° fol @19.2 ∢35° stretched clasts @20.1 ∢55° 1% py qtz/ca 5mm 20.1-21.0 weak breccia - 10% qtz/ca stockwork @21.0 <1% py hair fracture filling from 21.6 →magnetic stretched cong/gwk rounded stretched sed clasts weak strong magnetic matrix ∢55° fol clasts squeezed		5330	16.2	17.6	1.4		0.05	0
			@22.6 ∢20° 5mm py @23.2 ∢40° fol stretched clasts @26.1 ∢30° 27.0 and magnetic matrix @28.0 ∢30° 2mm pinkish feldspathic stringer 1% py contact →dark grey argillite/gwk local sil. increase py patches fracture filling local 3-5% @28.4 ∢20° py qtz/ca 1%		5331	26.0	27.0	1.0		0.08	0

INTERVAL FROM	TO	ROCK TYPE	DESCRIPTION	PLANAR FEATURE ANGLE°	SAMPLE NO.	INTERVAL FROM	TO	SAMPLE LENGTH	ASSAYS Pb, Zn (%)	Ag (oz/ton)	Au (ppb)
8.5	32.3	cont'd	py @29.1-29.4 40% qtz/ca - 10% py was magnetic ∢20° 29.4-30.0 sil congl. 1% py patches tr. hem. @30.0 20°		5332	29.0	30.0	1.0		0.02	0
			5 mm qtz/py, @30.4 25° 1cm py sph stringer, @30.6 ∢15°-same, blebs gn-sph, @31.0 - 3% py blebs		5333	30.0	31.0	1.0		0.15	0
			patches fracture filling @31.0-31.9 sil. chilled matrix contorted arg/congl 1-2% py patches. Fracture		5334	31.0	31.9	0.9		0.04	0
			filling @31.9-32.3 - 60% qtz/weak chl, 1.2% py patches.		5335	31.9	32.3	0.4		0.21	0
			Fract. filling contorted - mafic intrusive - gabbroic								
32.3	71.9	mafic intrusive (Gabbroic)	Grey-green fine grained massive greenish matrix min. magnetic local qtz. shearing - base metal & py								
			mineralization with stringers blebs patches @32.3-		5336	32.3	33.5	1.2		ND	0
			35.7 - green matrix. Transition zone dark brownish		5337	33.5	34.5	1.0		0.04	0
			maroon alteration overprinting possible fragments		5338	34.5	35.5	1.0		0.10	14
			∢45° local py/qtz. patches local sheared chl. tr								
			pinkish feldspathic alteration from 35.5-37.4 fine								
			grained massive 10-15% qtz. fold @37.4 ∢40° 2cm chl.		5339	37.4	38.0	0.6		0.08	0
			shear @38.0-38.6 weak sheared chl. clots 1% py ∢55°		5340	38.0	38.9	0.9		0.15	0
			weak sheared tr potassium fold. @39.0-39.2 ∢60°		5341	38.9	39.2	0.3	0.025	6.19	884
			massive sulphides - 20% qtz. matrix massive pyrhotite		5342	39.2	40.2	1.0		0.09	0
			sphalerite, galena tr. As 39.2-45.4 fine grained		5343	40.2	41.2	1.0		0.09	0
			massive intrusive local 1-2cm chl/py qtz. weak shears		5344	41.2	42.2	1.0		0.10	0
			carry local 30% sulphides - local tr magnetic po		5345	42.2	43.2	1.0		0.08	19
			-stringers ∢25-50° @46.8 ∢20° 5cm healed shear 2-3%		5346	43.2	44.5	1.3		0.09	0
			py from 47.2 ➔c.g. gabbro. Feldspathic - 48.0 - sil								
			f.g. local 1 cm py/ca @48.1∢25° @49.0∢45° @51.7∢45°		5347	51.0	51.7	0.7		0.12	0
			3 cm chl py - weak sheared @ 53.0∢60°-53.3∢45°weak	sheared,							
			chl. qtz. 1-2% py local hair fracture filling 53.3-		5348	53.0	53.6	0.6		0.10	0
			58.0 grey-green fine grained intrusive - minor 5mm-								
			1cm calcareous stringers local 3-5% py ∢40-25								
			@54.2 ∢50° 1cm creamy-yellowish fracture filling								
			shear. @54.6 ∢35° hair py 5mm alteration rim								
			@55.0 hair py ∢20° @55.8 ∢35° 2mmpy - weak brownish								
			alteration over printing, @56.1 ∢25° 1cm qtz/ca wk		5349	56.0	57.0	1.0		0.05	18
			chl. 20% py @56.1-56.6 f.g. massive less than 1%		5350	57.0	58.0	1.0		0.03	0
			2mm - 1cm qtz/ca py stringers - local creamy								
			yellowish feldspathic fracture filling (epidote)								
			stringer ∢25-40°								
			@58.6 ∢30° weak shear chl/qtz. contact - 1% py weak								
			breccia fracture filling local brownish alteration								

INTERVAL FROM	INTERVAL TO	ROCK TYPE	DESCRIPTION	PLANAR FEATURE ANGLE°	SAMPLE NO.	INTERVAL FROM	INTERVAL TO	SAMPLE LENGTH	ASSAYS Pb,Zn (%)	ASSAYS Ag (oz/ton)	ASSAYS Au (ppb)
32.3	71.9	cont'd	overprinting @59.0 ∢40° contact 1cm qtz/ca weak sheared contact →graditional coarse grained mtr. 15% qtz. 10% feld ∠1mm minor hair py fracture filling 1% pinkish grey alteration specks - leucoxene? from 59.5-60.7 sil altered fine grained - local py hair fracture filling @59.7 chl. fracture filling weak brecciated 59.7-60.7 brownish-maroon alteration overprinting mottled @60.7-62.0 m.g. qtz/feld gabbroic intr. - 1% py hair fract. filling local qtz/ca chl py shears @60.9 45° 2 cm @61.2 40° - 61.3 qtz/ca py/chl. shear - 2-5% py/po. @61.3-62.1 <1% py fracture filling & local py/ca bleb fracture ∢0-30° @62.9 ∢45° chl/qtz shear ∠1% py @63.9 1-2% py/po blebs fracture filling. @64.1 ∢25° 5mm yellowish feldspathic stringer - altered epidote? Fracture filling & stringer contact - 4cm yellowish speckled alteration calcareous looking - 64.0-66.4 grey-green fine grained intr sil local py stringer @65.4 25° @66.1 35° py/sphalerite 2.5mm stringer patches @66.4-68.8 same intr. @67.5 ∢45° weak alteration - bleaching - shear chl contact <1% py - 3cm @68.0-68.6 1% py patches fracture filling chl. matrix 68.0 - 68.8 weak brownish maroon alteration overprinting @68.6 3cm ∢40° py/qtz chl. stringer & fracture filling 60% sulphides from 68.8 →increase sil alteration brownish-maroon overprinting minor hair py @71.6-71.8 yellowish (epidote) feldspathic fracture filling @71.8 ∢65° 5mm chl. shear chl. py fracture filling - brownish-maroon alteration overprinting		5351	60.0	61.0	1.0		0.10	0
					5352	61.0	62.0	1.0		0.10	19
					5353	65.3	66.4	1.		0.16	0
					5354	68.0	68.8	0.8		0.04	0
71.9	78.0	silicified altered arg? - local brecciated transition zone gabbro/arg.	from 71.9 - dark grey-green sil - 5-10% chl. py/po fracture filling mottled alteration - brownish maroon local fragmented - weak laminated foliated arg clasts weak brecciated @72.3-78.5 altered arg silicified bleached fragment ∢50° intruded & brecciated gabbroic matrix - fracture filling - magnetitic pyrrhotite blebs 72.3-74.0. Dark brownish grey mottled altered - fracture alterations - massive gabbroic intrusive <1% magnetic - po local 5-15% po		5355	73.5	74.0	1.5		0.07	0

INTERVAL FROM	INTERVAL TO	ROCK TYPE	DESCRIPTION	PLANAR FEATURE ANGLE°	SAMPLE NO.	INTERVAL FROM	INTERVAL TO	SAMPLE LENGTH	ASSAYS Pb, Zn (%)	ASSAYS Ag (oz/ton)	ASSAYS Au (ppb)
71.9	78.0	cont'd	blebs. @74.0-75.6 silicified altered brownish-maroon arg. fragments brecciated fracture filling tr py/po gabbroic matrix <1% po blebs. @75.1-72.2 30% qtz/chl. fracture filling 2-5% py/po ∢65°-75° fol. arg clasts. @75.6-76.8 - dark brownish-maroon sil. altered arg. whitish porphyroblasts - 5-10% - 1-2% chl. py fracture filling - blebs patches fracture filling ∢0-30° @76.8-78.0 grey brownish-maroon altered silicified arg. fractured - 2-5% py/qtz/ca chl. fracture filling ∢30° py stringers blebs patches, weak brecciated		5356	74.0	75.6	1.6		0.09	0
					5357	75.6	76.8	1.2		ND	0
					5358	76.8	78.0	1.2		0.45	0
78.0	130.5	sheared altered ultra mafic	Magnetitic - sheared - local brecciated sections - carbonated, talcose - local dark green-black magnetic massive @78.0-81.2 mottled light yellowish green carbonate - dark green magnetic talc patches 5-10% qtz/ca stringer - barren tr py @81.2-83.0 sheared magnetic - decrease carbonate alteration - altered - 10% qtz/ca fracture filling minor py patches ca/qtz matrix @83.0-84.2 increase shearing local gouge breccia ∢25-30° @84.2-85.0 weak ser pyrophyllite alteration-brecciated qtz/carbonate - altered - barren sulphides 84.2-85.0 @85.2-89.8 fracture 15% carbonate net like fracture massive dark grey black matrix magnetic ∢35° fracture filling - 89.8-91.4 increase shearing brecciated talc altered ∢45° @91.4-92.0 grey gouge shear breccia fragments ∢55° contact from 92.0-103.6 mottled altered carbonated dark grey talc alteration. Fractured - brecciated 10% qtz/ca stringer fracture filling ∢45-60° magnetic @103.6-104.2 breccia qtz/ca weak argillitic matrix @104.2-111.2 fractured 5-10% whitish qtz/plag stringers dark green talc altered patches light apple green matrix - local apple green sheared serpentine alteration - platy - non fiberous ∢20° qtz/plag ∢50-55°. @111.2-116.0 as above - sheared local serpentine shears - mottled ∢55-25° serp. shearing talc matrix light green sil carbonate matrix - magnetic. @116.0-120.0 same - apple green		5359	78.0	79.0	1.0		0.09	0
					5360	79.0	80.0	1.0		ND	0
					5361	80.0	81.0	1.0		0.01	0
					5362	84.2	85.0	0.80		ND	0
					5363	103.6	104.2	0.60		0.04	0

LACANA MINING CORPORATION DIAMOND DRILL RECORD HOLE#: MS-88-7 Page: 5 of 7

INTERVAL FROM	INTERVAL TO	ROCK TYPE	DESCRIPTION	PLANAR FEATURE ANGLE°	SAMPLE NO.	INTERVAL FROM	INTERVAL TO	SAMPLE LENGTH	ASSAYS Pb,Zn (%)	ASSAYS Ag (oz/ton)	ASSAYS Au (ppb)
78.0	130.5	cont'd	local sheared serpentine matrix - mottled 120.0-126.0 sheared local gouge matrix - brecciated ∢20° qtz/ca 10-15% stringers - local vuggy @124.1-124.5 - 30% whitish grey qtz/plag. local vuggy matrix - brecciated ∢65° contact @124.3 qtz/plag @124.6 ∢50° shear contact talcose & brecciated dark green talcose fragments 120.0-126.0 matrix mottled dark green talcose, apple green matrix from 126.0 →sheared fractured dark grey-green - matrix - magnetic - decrease apple green mottled texture. @126.0 ∢25° qtz/plag contact shear breccia. 126.0-128.3 - 5-10% qtz/plag/ca stringers @128.3 ∢30° shear breccia contact - sheared local talcose gouge 10-15% qtz/plag whitish matrix - dark green black talc fragments 130.5 ∢35° gouge greenish contact - barren sulphides		5364	124.0	124.6	0.6		0.03	0
					5365	124.6	125.0	0.4		0.02	0
					5366	127.0	128.0	1.0		0.01	0
					5367	128.0	130.5	2.5		0.03	0
130.5	137.7	sheared mafic intrusive (gabbroic)	compositional change - local 10% altered amphibole laths - speckled & altered possible lucoxene fine grained gabbroic talc altered sheared local sil altered brecciated & local fault gouge shear zones @130.5-133.6 light grey-green sheared talcose intrusive @132.6-133.0 sheared brecciated ∢45-25° @ 133.6 ∢40° sheared talcose altered contact - 133.6-134.0 altered bleached buff brown (ser) contacts @133.4-133.6 qtz/plag ca breccia - apple green altered fragments sil fracture fillings ∢70° @133.6-134.0 brecciatd bleached buff brown ser fragments chilled contact @133.9. @134.0-136.4 grey-green massive - sheared talcose gabbroic 10-15% 1-2mm dark green altered amphiboles @135.3 pinkish orange potassic blebs fracture filling @135.9-136.2 sheared fracture brecciated sil fine grained altered fragments talcose. @136.3-136.5 ∢45° whitish green talc shear from 136.5-137.0 buff brown bleached (ser) altered sheared talcose @137.0 ∢40° shear breccia gouge talcose matrix - 10-15% qtz plag/ca @137.7 sharp contact 30° section barren sulphides		5368	132.5	133.6	1.1		0.07	0
					5369	133.6	134.0	0.4		0.06	0
					5370	136.0	137.7	1.7		0.05	0

LACANA MINING CORPORATION DIAMOND DRILL RECORD HOLE#: MS-88-7 Page: 6 of 7

INTERVAL FROM	INTERVAL TO	ROCK TYPE	DESCRIPTION	PLANAR FEATURE ANGLE°	SAMPLE NO.	INTERVAL FROM	INTERVAL TO	SAMPLE LENGTH	ASSAYS Pb, Zn (%)	ASSAYS Ag (oz/ton)	ASSAYS Au (ppb)
137.7	161.5	sheared altered ultra mafic	as before, magnetic mottled light apple green matrix dark green black talcose mottled patches. 10-15% qtz/plag - ca stringer fracture filling - stock-working slight pinkish hue - weak reaction to acid from 145.0→qtz/plag/ca vuggy & pinkish 10-15% stock-work fracture filling & local shear breccia & talc alteration - local serpentine shears. @137.0-145.0 mottled apple green altered matrix dark green black talcose patches @138.9 ∢45° shear, @149.0 ∢35-25° shearing, @140.2 ∢60° weak sheared fol. @ 140.6-140.6 - 20% qtz/plag - ca stockwork fracture filling brecciated ∢55° shearing @140.8-142.5 15% qtz/plag - ca stockwork brecciated ∢55° stockwork 142.5-144.4 mottled apple green matrix dark green black patches 5% qtz/plag - ca stringer stockwork local sheared weak breccia @144.4 ∢50° shear talcose contact - 144.4-145.8 sheared brecciated 10-15% stockwork fracture filling talc altered shearing ∢50° @145.0 weak vuggy pinkish white qtz/plaq - ca fract. filling tr magnetite specks. @146.2 60° 2 mm qtz/plag stringer acts as alteration barrier. @146.2 - 146.9 bleached buff brown mottled dark grey green patches 5% stock-work ∢30° qtz/plag - ca @147-148.0 mottled apple green matrix 10% weak pinkish vuggy qtz-plag-ca stockwork tr magnetite specks.→vuggy carbonate-plag stockwork increase - weak reaction to acid - stock-work similar to stockworking @ Middle River - Granges showing & elmtree - assay check for anomalous Ag/Au stockwork ∢30-45°. @148.0-151.2 mottled as before 5-10% whitish qtz/plag - ca fracture filling - stock-work @150.7 weak pinkish vuggy stockwork crystal qtz/plag - ca. @151.2 ∢40° sharp contact - 151.3 vuggy shear breccia weak grey, possible metallic within qtz plag stockwork fragments. 151.3-155.2 mottled - 5-10% qtz-plag-ca stockwork apple green matrix @153.2-155.0 dark grey-green - apple green matrix fractured weak brecciated 15% weak pinkish white qtz/plag - ca stockwork. Fracture filling local vugs ∢0-70° barren sulphides - local 2 cm ∢0°. Fracture filling @155.0-161.5 mottled light apple green matrix.		5371	144.4	145.8	1.4		0.04	0
					5372	146.0	147.0	1.0		0.03	0
					5373	147.0	148.0	1.0		*0.01	0
					5374	151.0	151.4	0.4		0.04	0
					5375	153.0	154.0	1.0		0.02	0
					5376	154.0	155.0	1.0		ND	0

LACANA MINING CORPORATION DIAMOND DRILL RECORD HOLE#: MS-88-7 Page: 7 of 7

INTERVAL FROM	INTERVAL TO	ROCK TYPE	DESCRIPTION	PLANAR FEATURE ANGLE°	SAMPLE NO.	INTERVAL FROM	INTERVAL TO	SAMPLE LENGTH	ASSAYS Pb,Zn (%)	ASSAYS Ag (oz/ton)	ASSAYS Au (ppb)
137.7	161.5	cont'd	5-10% stockwork local sheared. @155.4 ∠25° - 2cm qtz-plag-ca @155.6 ∠30° shear breccia 155.6-156.0 weak ser altered mottled @156.1-156.3 - 75% qtz/plag - ca weak breccia ∠0° stockwork - barren sulphides @156.3-161.5 as before mottled light apple green mottled dark green black 10% white qtz-plag-ca stringers weak brecciated ∠25-50° local shearing ∠30° - talcose @160.4. @161.5 E.O.H.								

(1)

Assayers and Analytical Chemists
P. O. Box 520 520 Bridge Street, Bathurst, N. B. E2A 3Z4

Identification: Lacana (D Hoy)

Description: Drill core MS-88-7

Sample No.	Lab No.	Weight	% IT Ag	PPb Au							
5330			.05	0	✓						
31			.08	0							
32			.02	0							
33			.15	0							
34			.04	0							
35			.21	0							
36			ND	0							
37			.04	0							
38			.10	14							
39			.08	0							
40			.15	0							
41			6.19	884							
42			.09	0							
43			.09	0							
44			.10	0							
45			.08	19							
46			.09	0							
47			.12	0							
48			.10	0							
49			.05	18							

Checked by: _____ Analyst: _____
Robert Stairs

Assayers and Analytical Chemists
. O. Box 520 920 Bridge Street, Bathurst, N. B. E2A 3Z

ntification: Lacana (DHoy)

scription: Drill core

			ZIT	PPb							
ple No.	Lab. No.	Weight	Ag	Au							
5350			.03	0							
51			.10	0							
52			.10	19							
53			.16	0							
54			.04	0							
55			.07	0							
56			.09	0							
57			ND	0							
58			.45	0							
59			.09	0							
60			ND	0							
61			.01	0							
62			ND	0							
63			.04	0							
64			.03	0							
65			.02	0							
66			.01	0							
67			.03	0							
68			.07	0							
69			.06	0							

Checked by: _____

Analyst: _____
Robert Stairs

CUSTOM LA[illegible]
Assayers and Analytical Chemists
P. O. Box 520 520 Bridge Street, Bathurst, N. B. E2A [illegible]

(3)

65

[illegible]: 546-4779

Identification: Lacana (D Hoy)

Description: Drill core

Sample No.	Lab. No.	Weight	oz/T Ag	PPb Au							
5370			.05	0							
71			.04	0	✓						
72			.03	0							
73			.01	0							
74			.04	0							
75			.02	0							
76			ND	0							

LACANA MINING CORPORATION — DIAMOND DRILL RECORD — HOLE#: MS-88-8 — Page: 1 of 6

Property: North American Rare Metals
Area (Map #) 21P/12
Claim #:
M.D./County: Gloucester
Province: New Brunswick

Location:
Grid: Line 39+50W
3+00N
Length: 157.3 (Units: metres)
Azimuth: 160° Dip Collar: -46°

Down Hole Surveys: Pajari

Depth:	Az:	Dip:
30m	158°	-45°
60m	157°	-45°
90m	155°	-46°
120m	156°	-46°
150m	156°	-46°

Drilled by: Longyear Canada Inc.
From-To: March 1/88 - March 3/88
Size(s): NQ
Logged by: Peter M. Dimmell
Signed: (Peter M. Dimmell)

Remarks: - Drilled to test coincident Au, Ag, As soil anomaly on trend to west of drill hole MS-88-5
- Casing left in hole

INTERVAL FROM	INTERVAL TO	ROCK TYPE	DESCRIPTION	PLANAR FEATURE ANGLE°	SAMPLE NO.	INTERVAL FROM	INTERVAL TO	SAMPLE LENGTH	ASSAYS Pb, Zn (%)	ASSAYS Ag (oz/ton)	ASSAYS Au (ppb)
0	11.3m	Overburden	(casing to 11.3m) - gravel, sand, boulders red and green siltstone, granite - f.g.								
11.3	20.6	Argillite/Greywacke var silicified altered	light-medium yellowish green to dark green, fine to medium grained; matrix calcareous or carbonated in part (to 18.0), - variably altered/silicified - assoc. w/ brecciation, quartz veining; core broken throughout sulphides - mainly pyrite, minor aspy, sphal, gal - fracture filling and diss. - 2-3% 11.3-12.8 - lost core fragments totalling 0.4m remaining - sulphides 5-6% - mainly fracture filling 12.6-14.2 - quartz rich - 15-20% quartz 14.2-14.5 - graphitic, gouged - broken 15.2-15.3 - graphitic - gouged 15.5-16.2 - brecciated/qtz rich w/ diss sphal, gal, py 17.8-18.2 - skarned - bedding/foliation - variable contorted 18.8 - 1cm wide Py, sphal, gal 20.0 - 1cm wide Py vein 20.6 - 0.5cm wide Aspy, Py vein veining crosscuts bedding/foliation	CA-30-50° CA-65° CA-55° CA-65°	6052 6053 6054 6055 6056 6057 6058 6059 6060 6061	11.3 12.8 14.0 15.0 15.5 16.2 17 18 19 20	12.8 14.0 15.0 15.5 16.2 17.0 18 19 20 20.6	1.5 1.2 1.0 0.5 0.7 0.8 1.0 1.0 1.0 0.6	1.1, 0.3 .3, .017 1.4, .082 5.6, .38 1.17, .14 1.06, .095 .25, .04	.10 .07 .25 .40 .14 .10 .05 .15 .09 .18	3.4 2.4 8.6 13.7 4.8 3.4 1.7 5.1 3.1 6.2	569 .57 40 .04 137 .14 212 .21 82 .08 16 .02 27 .03 18 .02 55 .06 719 .72
20.6	23.3	Argillite	light-dark grey, fine grained; well banded/foliated some deformation (contortion); graphitic/chloritic pyrite as f.g. fract fillings - gen along fol. 2-3% 22.9-23.2 - core badly broken	CA-20-35°	6062 6063	20.6 22.0	22.0 23.3	1.4 1.3		.12 .05	4.1 1.7	123 .12 32 .03

LACANA MINING CORPORATION DIAMOND DRILL RECORD HOLE#: MS-88-8 Page: 2 of 6

INTERVAL FROM	TO	ROCK TYPE	DESCRIPTION	PLANAR FEATURE ANGLE°	SAMPLE NO.	INTERVAL FROM	TO	SAMPLE LENGTH	Pb, Zn (%)	ASSAYS Ag (oz/ton)	Au (ppb)
23.3	29.0	Argillite/Greywacke Altered var. silicified	light-med. yellowish grey-green to med.grey; fine grained variably altered/silicified - chloritized skarned quartz and qtz. carb.veining - irreg/discont throughout section - strongest alteration/mineralization assoc. w/ veining. - well bedded/banded throughout - variable orientation 23.3-26.5 - strong qtz. veining 10-20% w/ diss. + fracture filling Py, minor sphal, gal, aspy; total sulphide 3-4% - mainly pyrite 26.5-29 - scattered irreg. quartz veining - variable alteration - minor diss + fract. filling Py 2-3%	CA-20-45°	6064	23.3	24.3	1.0		.09	3.1	22 .02
					6065	24.3	25.3	1.0		.35	12.0	104 .10
					6066	25.3	26.5	1.2		.10	3.4	14 .01
					6067	26.5	27.0	0.5		.04	1.4	14 .01
					6068	27.0	28.0	1.0		.06	2.1	16 .02
					6069	28.0	29.0	1.0		.04	1.4	32 .03
29.0	35.2	Argillite Var. Altered	light-med. grey-green to dark grey-black, fine grained; well bedded through most of section - variable - some deformation, scattered irreg/discont qtz. veining	CA-30-55°	6070	29	30	1.0		.04	1.4	19 .02
			32.2-34.5 - skarned/altered/qtz. veining - some carb - 10% sulphides - mainly py, minor aspy 3-5%		6071	32.2	33.2	1.0		.05	1.7	14 .01
					6072	33.2	34.0	0.8		.06	2.1	466 .47
			34.3-34.5 - Py/Aspy as 0.5 - 2cm veins	CA-70°	6073	34.0	34.5	0.5		.21	7.2	1233 1.23
35.2	37.5	Argillite -Graphitic Brecciated/ Gouged	med-dark grey-black, fine to med. grained; brecciated/gouged w/ extensive quartz as irreg/discont -boudinaged veins; 37-37.5 - core badly broken/ gouged		6074	35.2	36.0	0.8		.01	0.3	41 .04
					6075	36	37.5	1.5		.02	0.7	27 .03
37.5	57.0	Argillite/ Greywacke	light-dark grey to black, fine to med grained; well bedded throughout - bedding - deformed - poss. soft sediment slumping/boudinaging slump breccias - variable orientations. 39.6-39.9 - graphitic - gouged - badly broken sulphides - pyrite as fracture fillings and diss. 1-3% Qtz. as occasional irreg/discont vein w/ chlorite stringer 44.5→ 40.5-41.5 - brecciated/boudinaged 3-4% Qtz 44.6 - 3cm wide qtz. vein with Py 44.5 - chlorite, serpentine more prevalent along fractures 50.6-50.9 - graphitic gouge/broken core 51-57 - graphitic argillite - minor qtz veining along foliation/bedding -become more altered to bottom section		6076	37.5	38.0	0.5		.02	0.7	19 .02
					6077	40.5	44.5	1.0		.03	1.0	18 .02
					6078	44.5	45.5	1.0		.06	2.1	15 .02
				CA-25°	6079	44.5	46.5	1.0		.01	0.3	7 .01
					6080	46.5	47.5	1.0		1.3	44.6	14 .01
					6081	49.0	50.0	1.0		.02	0.7	12 .01
				CA-25-45° (Fol/bedding)								

LACANA MINING CORPORATION DIAMOND DRILL RECORD HOLE#: MS-88-8 Page: 3 of 6

INTERVAL FROM	TO	ROCK TYPE	DESCRIPTION	PLANAR FEATURE ANGLE°	SAMPLE NO.	INTERVAL FROM	TO	SAMPLE LENGTH	Pb, Zn (%)	ASSAYS Ag (oz/ton)	Au (ppb)
57.0	65.6	Argillite/Greywacke Var. Altered/ Brecciated	light-med yellow green to dark grey-green, fine grained variably sericitized/silicified - strongest in brecciated sections w/ assoc. sulphides - mainly pyrite, minor aspy, py, sphalerite - mainly as fract. fillings - gen. assoc. w/ qtz. 2-3% some serpentine green along fractures - polished.		6082	56.0	57.0	1.0		.03	21 .02
					6083	57.0	58.0	1.0		.06	2.1 82 .08
					6084	58.0	59.0	1.0		.16	5.5 144 .14
					6085	59.0	60.0	1.0		.33	11.3 596 .60
					6086	60.0	61.0	1.0		.15	5.1 96 .10
			58.6-59 - rel.unaltered								
			60-63 - rel.unaltered		6087	63	64.0	1.0		.09	3.1 23 .02
			62.9-63.1 - broken/gouged zone		6088	64	65	1.0		.13	4.5 21 .02
			63.7-65.2 - gouged/brecciated sheared zone - q artz veining prevalent - irreg/discont sulphides 1-3%. 65.2- 2.3cm wide gouge zone	CA's 40-65° CA-45°	6089	65	65.6	0.6		.05	1.7 15 .02
65.6	67.7	Argillite Altered	light-dark yellowish grey-green, fine grained; massive,altered - sericitic with irreg/discont qtz. carb. veining; rock is soft to silicified-hard. sulphides -minor diss. and fracture filling Py. 1%		6090	65.6	66.1	0.5		.07	2.4 ND
					6091	66.1	67	0.9		.09	3.1 10 .01
					6092	67	67.7	0.7		.11	3.8 14 .01
67.7	68.6	Fault/Shear Zone	dark green-black to black - graphitic with extensive carbonate veining 20-40% - irreg/discont; gouged, soft crosscutting Fol. sulphides - pyrite as fine grained blebs and fract. fillings 5-7%.	contacts CA-35-40°	6093	67.7	68.6	0.9		.10	3.4 27 .03
68.6	77.7	Argillite var. altered	med grey-green to dark green-black to black; fine grained well foliated/bedded except where silicified -quartz veined; some skarning	CA-20-45°							
			71.5-72.5 - skarned, quartz veined w/later narrow carbonate veins; green serp. along fract. planes		6094	71.5	72.5	1.0		.13	4.5 14 .01
			sulphides - pyrite as fracture fillings and diss 2-3% -become more skarned - mottled to bottom section		6095	75	76	1.0		.11	3.8 15 .02
					6096	76	77	1.0		.12	4.1 18 .02
			interbedded skarn beds	CA's 20-25°	6097	77	77.7	0.7		.11	3.8 21 .02
77.7	81.4	Skarn	light - dark grey-green, fine grained; silicified skarned - hard - cherty; - becomes mottled to bottom section; bedded/banded,sulphides - mainly pyrite - fracture fillings, bleb and disseminated 2-3%		6098	77.7	79.3	1.6		.15	5.1 27 .03
					6099	79.3	79.5	0.2		.08	2.7 ND
					6100	79.5	80.0	0.5		.15	5.1 14 .01
					6101	80	81.4	1.4		.10	3.4 21 .02
			79.3-79.5 - white, wispy porcelainite with fine grained diss. pyrite, grey metallic								

LACANA MINING CORPORATION — DIAMOND DRILL RECORD — HOLE#: MS-88-8 — Page: 4 of 6

INTERVAL FROM	INTERVAL TO	ROCK TYPE	DESCRIPTION	PLANAR FEATURE ANGLE°	SAMPLE NO.	INTERVAL FROM	INTERVAL TO	SAMPLE LENGTH	ASSAYS Pb,Zn (%)	ASSAYS Ag (oz/ton)	ASSAYS Au (ppb)
81.4	84.9	Argrillite Var. hornfelsed skarned	med-dark brownish grey-green, fine grained; variably skarned/hornfelsed - banded/bedded.sulphides - minor diss. fracture filling pyrite 2-3%	CA's 30-45°							
					6102	83	84	1.0		.11 3.7	23 .02
					6103	84	84.9	0.9		.15 5.1	ND
84.9	89.0	Fault/skarn	dark grey to black, fine grained; graphitic; gouged with 5% qtz. carbonate veining - irreg/discont; some lost case.sulphides - fracture filling and diss. pyrite, minor sphalerite throughout 3-5%		6104	84.9	86.0	1.1		.15 5.1	8 .01
					6105	86.0	87.0	1.0		.10 3.4	14 .01
					6106	87	88	1.0		.40 13.7	169 .17
					6107	88	89	1.0		.25 8.6	ND
89.0	90.1	Argillite Graphitic	dark green-black, fine grained; variably altered; foliated - some deformation - sulphides - mainly fracture filling pyrite - blebs 2-3%	CA-45°	6108	89.0	90.1	1.1		.10 3.4	41 .04
90.1	93.6	Argillite -Altered -Silicified	med-dark grey-green, fine to med grained; quartz veining - irreg/discont - 20-30% - sulphides associated - mainly pyrite - minor aspy, sphalerite,total sulphides - 3-5%. 90.2-90.5 - strong sulphides - fracture filling - 10% 91.0-91.4 - healed shear breccia - qtz. 93.2-93.6 - becomes skarned with quartz veining		6109	90.1	90.6	0.5	.023 1.3	.40 13.7	411 .41
					6110	90.6	91.0	0.4	.009 .064	.12 4.1	15 .02
					6111	91.0	91.4	0.4	.007 .01	.13 4.5	43 .04
					6112	91.4	92.0	0.6	.002 .007	1.51 51.8	96 .10
					6113	92.0	93.0	1.0		.11 3.7	41 .04
					6114	93.0	93.6	0.6		.13 4.5	26 .03
93.6	107.0	Argillites Silicified (skarned)	light-med yellowish grey-green to med-dark grey-green fine grained; well bedded/banded - some deformation sulphides - fracture filling, bleb and diss. pyrite 1-2% quartz veining - irreg/discont assoc. w/ areas of stronger alteration skarning 10% to 100m then 2-3% 96.2-97 - strong green argillic/sericitic alteration 99.1-99.9 - green serictized - qtz./carb veining yellow brown f.m.g.- hornfelsing (?) more prev. to bottom section - some defm. - soft sed ?	CA's 25-45°							
					6115	96.2	97.0	0.8		.11 3.7	30 .03
					6116	97.0	98.0	1.0		.15 5.1	12 .01
					6117	99.1	99.9	0.8		.15 5.1	10 .01
					6118	99.9	101.0	1.1		.14 4.8	ND
					6119	102	103	1.0		ND	6 .01
					6120	104	105	1.0		ND	12 .01
107	109.0	Skarn (Altered Argillite)	light-med-grey-green, fine grained; extensively skarned argillite - qtz. veining - white - irreg/discont scattered throughout - sulphides - diss and fracture filling 2-3%		6121	107	108	1.0		.04 1.4	48 .05
					6122	108	109	1.0		.05 1.7	27 .03

LACANA MINING CORPORATION — DIAMOND DRILL RECORD — HOLE#: MS-88-8 — Page: 5 of 6

INTERVAL FROM	INTERVAL TO	ROCK TYPE	DESCRIPTION	PLANAR FEATURE ANGLE°	SAMPLE NO.	INTERVAL FROM	INTERVAL TO	SAMPLE LENGTH	ASSAYS Pb, Zn (%)	ASSAYS Ag (oz/ton)	ASSAYS Au (ppb)
109	117.5	Argillite Graphitic weakly altered	med-dark grey to black, fine grained; mainly graphitic - weak alteration - skarning/hornfels - well bedded - some slumping or deformation, bedding - scattered irreg/discont qtz veining 3-5% - alteration assoc. w/ stronger qtz veining 109-110, 111-112		6123	109	110	1.0		.02 0.7	29 .03
				CA-35°	6124	111	112	1.0		.01 0.3	34 .03
			113.7-113.9 - graphitic gouge		6125	116	117	1.0		ND	36 .04
			115.8-116 - graphitic gouge - broken core		6126	117	117.5	0.5	.006 .016	.05 1.7	34 .03
			116-117.5 - altered/silicified - sulphides more prev pyrite 3-4% - fracture filling + diss.								
			117.0-117.5 - brecciated/silicified - hard								
117.5	149.7	Argillite silicified	light-dark grey-green, fine grained; silicified - (cherty) throughout - hard; - some skarning - massive		6127	117.5	118.0	0.5	.016 .38	.03 1.0	45 .05
			sulphides - pyrite, pyrrhotite as fracture fillings		6128	118	119	1.0	.014 .62	.04 1.3	60 .06
			3-4% sphalerite, minor galena as fracture fillings		6129	119	120	1.0	.015 .14	.05 1.7	16 .02
			and minor diss. (galena) - preferred orientation of		6130	120	121	1.0	.015 .5	ND	12 .01
			red brown narrow 1-2mm veinlets - generally cross-	CA's 45-55°	6131	121	122	1.0	.039 .13	.01 0.3	14 .01
			cutting banding - 118-119 - sphal - 2-3% - skarn	CA - 20-35°	6132	122	123	1.0	.075 .17	.08 2.7	14 .01
			minerals - mainly green bladed actinolite (?)		6133	123	123.5	0.5	.047 .36	.07 2.4	5 .01
			123.5-124 - less silicified argillite - graphitic	CA-25°	6134	123.5	124	0.5	.009 .011	ND	19 .02
			banded		6135	124	125	1.0	.026 .27	.01 0.3	8 .01
			127 - becomes less silicified - variably - banding/		6136	125	126	1.0	.015 .015	ND	10 .01
			bedding - more prevalent (rock is less massive)		6137	126	127	1.0		ND	ND
			bedding - deformed - poss. soft sed slumping, quartz		6138	127	128	1.0		.01 0.3	14 .01
			veining more prevalent-preferred orientation cross-		6139	130	131	1.0		ND	8 .01
			cutting bedding -scattered skarn mineral (actin-	CA-50°							
			olite ?) veins - assoc pyrrhotite	CA-40°	6140	133	134	1.0		ND	21 .02
			136-138 - more silicified/skarned		6141	135	136	1.0		ND	15 .02
			140-141.5 - more silicifed/skarned		6142	136	137	1.0		.01 0.3	52 .05
			143-143.7 - skarned section								
			143.8-144.7 - sphal assoc w/ skarned zones 1% or less		6143	138	139	1.0		ND	15 .02
			146-148 - skarned section diss. py/pyrr 1-3%								
			149.7 - skarned section		6144	141	142	1.0		.01 0.3	27 .03
					6145	143	143.8	0.8		ND	21 .02
					6146	143.8	144.3	0.5		ND	14 .01
					6147	144.3	145	0.7		ND	7 .01
					6148	146	147	1.0		.02 0.7	12 .01
					6149	147	148	1.0		.02 0.7	21 .02
					6150	148	149	1.0		.01 0.3	14 .01
					6151	149	149.7	0.7		ND	10 .01

LACANA MINING CORPORATION DIAMOND DRILL RECORD HOLE#: MS-88-8 Page: 6 of 6

INTERVAL FROM	INTERVAL TO	ROCK TYPE	DESCRIPTION	PLANAR FEATURE ANGLE°	SAMPLE NO.	INTERVAL FROM	INTERVAL TO	SAMPLE LENGTH	Pb,Zn (%)	ASSAYS Ag (oz/ton)	ASSAYS Au (ppb)
149.7	155.1	Skarn	light-dark grey-green, fine grained; strongly skarned and silicified - banding near top contact - becomes deformed/irreg. to bottom; 152.6-153 - irreg/discont white qtz. veining w/ green actinolite, minor steel grey metallic in qtz. sulphides - mainly pyrrhotite, minor py, sphal as blebs, fracture fillings and diss. 2-3%	contact CA-35°	6152	149.7	151	1.3		.01	7
					6153	151	152	1.0		0.3 .01	6
					6154	152	152.6	0.6		.01 0.3 .02 0.7	ND
					6155	152.6	153	0.4		.07 2.4	22
					6156	153	154	1.0		ND	10
					6157	154	155.1	1.1		ND	ND
155.1	157.3	Argillite silicified	dark grey to black, fine grained; bedded/banded with sulphides - mainly pyrrhotite as fracture filling bands mainly along bedding - some crosscutting - sulphide 3-4% - silicified throughout, bedding/fol→ minor irreg/discont qtz. veining	CA-40-50°	6158	155.1	156	0.9		.01 0.3	5
					6159	156	157.3	1.3		ND	5
157.3		End of Hole								.01	.01

Assayers and Analytical Chemists

-1-

P. O. Box 520 920 Bridge Street, Bathurst, N. B. E2A 3Z4

Identification: Lacana Mining Corp.

Description: Drill Core

March 29, 1988

MS-88-8

11.3 m — 157.3 m

Sample No.	Lab. No.	Weight	Ag oz/ton	Au ppb	Pb %	Zn %	Pb/W				
6052		11.3 - 12.8 1.5	.10	569	1.10	.03	1.65		.017 .2	4 Au/4.9	
6053		12.8 - 14 1.2	.07	40	.30	.017	.36				
6054		14 - 15 1.0	.25	137	1.74	.082	1.74	1.44% Pb/5.7m			
6055	5.7m	15 - 15.5 0.5	.40	212	5.60	.38	2.8				
6056		15.5 - 16.2 0.7	.14	82	1.17	.14	.819				
6057		16.2 - 17 0.8	.10	16	1.06	.095	.85				
6058			.05	27	.25	.04	8.219				
6059			.15	18							
6060			.09	55							
6061		20-20.6	.18	719							
6062			.12	123							
6063			.05	32							
6064			.09	22							
6065			.35	104							
6066			.10	14							
6067			.04	14							
6068			.06	16							
6069			.04	32							
6070			.04	19							
6071		32.2-33.2	.05	14							

Checked by: _____

Analyst: [signature]
Robert Stairs

...ORIES LIMITED

Assayers and Analytical Chemists

P. O. Box 520 920 Bridge Street, Bathurst, N. B. E2A 3Z4

Identification: Lacana MiningCorp.

March 29, 1988

Description: Drill Core

Sample No.	Lab. No.	Weight	Ag oz/ton	Au ppb	
6072			.06	466	
6073		34-34.5. 0.5m.	.21	1233	.036oz/t/1.6 reef (Au) 1.23g/t/0.5m.
6074			.01	41	
6075		36-37.5	.02	27	
6076			.02	19	
6077			.03	18	
6078			.06	15	
6079			.01	7	
6080		1.0m 46.5-47.5	1.30	14	1.3oz/t Ag/3.2' (44.6g/t/1.0m)
6081			.02	12	
6082			.03	21	
6083			.06	82	
6084			.16	144	
6085		1.0m 59-60m	.33	596	
6086			.15	96	
6087			.09	23	
6088			.13	21	
6089			.05	15	
6090			.07	0	
6091		66.1-67m	.09	10	

Checked by: _____

Analyst: Robert Stairs

[illegible] LIMITED

Assayers and Analytical Chemists -3-

P. O. Box 520 920 Bridge Street, Bathurst, N. B. E2A 3Z4

Identification: Lacana Mining Corp.

Description: DrillCore

March 29, 1988

Sample No.	Lab. No.	Weight	Ag oz/ton	Au ppb	Pb %	Zn %					
6092			.11	14							
6093			.10	27							
6094			.13	14							
6095			.11	15							
6096			.12	18							
6097			.11	21							
6098			.15	27							
6099			.08	0							
6100			.15	14							
6101			.10	21							
6102			.11	23							
6103			.15	0							
6104			.15	8							
6105			.10	14							
6106			.40	169							
6107		88-89m	.25	0							
6108			.10	41							
6109			.40	411	.023	1.30					
6110			.12	15	.009	.064					
6111		91-91.4	.13	43	.007	.01					

Checked by: _____

Analyst: Robert Stairs

. . . . . LABS LIMITED

Assayers and Analytical Chemists

P. O. Box 520 920 Bridge Street, Bathurst, N. B. E2A 3Z4

Identification: Lacana Mining Corp.

March 29, 1988

Description: Drill Core

Sample No.	Lab. No.	Weight	Ag oz/ton	Au ppb	Pb %	Zn %					
6112		91.4 - 92m 0.6m	1.51	96	.002	.007	1.51 oz/t Ag 51.8 g/t Ag	12' 10.6m			
6113			.11	41							
6114			.13	26							
6115			.11	30							
6116			.15	12							
6117			.15	10							
6118			.14	0							
6119			ND	6							
6120			ND	12							
6121			.04	48							
6122		108 - 109m	.05	27							
6123			.02	29							
6124			.01	34							
6125			ND	36							
6126			.05	34	.006	.016					
6127			.03	45	.016	.38					
6128			.04	60	.014	.62					
6129			.05	16	.015	.14					
6130			ND	12	.015	.51					
6131		121 - 122	.01	14	.039	.13					

Checked by: _____

Analyst: Robert Stairs

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Assayers and Analytical Chemists

P. O. Box 520 920 Bridge Street, Bathurst, N. B. E2A 3Z4

Identification: Lacana Mining Corp.

Description: Drill Core

March 29,1988

Sample No.	Lab. No.	Weight	Ag oz/ton	Au ppb	Pb %	Zn %
6132			.08	14	.075	.17
6133			.07	5	.047	.36
6134			ND	19	.009	.011
6135			.01	8	.026	.27
6136			ND	10	.015	.015
6137			ND	0		
6138			.01	14		
6139			ND	8		
6140			ND	21		
6141			ND	15		
6142			.01	52		
6143			ND	15		
6144		141 - 142 m	.01	27		
6145			ND	21		
6146			ND	14		
6147			ND	7		
6148			.02	12		
6149			.02	21		
6150			.01	14		
6151		149 - 149.7	ND	10		

Checked by: _____

Analyst: Robert Stairs

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-6-

Assayers and Analytical Chemists

P. O. Box 520 920 Bridge Street, Bathurst, N. B. E2A 3Z4

Identification: Lacana Mining Corp.

March 29,1988

Description: Drill Core

Sample No.	Lab. No.	Weight	Ag oz/ton	Au ppb
6152			.01	7
6153			.01	6
6154			.02	0
6155			.07	22
6156			ND	10
6157			ND	0
6158			.01	5
6159		156-157.3	ND	5

Checked by: _____

Analyst: _____

Robert Stairs

LACANA MINING CORPORATION

DIAMOND DRILL RECORD

HOLE#: MS-88-9 Page: 1 of 7

Property: North America Rare Location:
Area (Map #) 21P/12 Grid: L40+50W, 2+87.5mN
Claim #:
M.D./County: Gloucester Length: 183.2 (Units: metres)
Province: New Brunswick Azimuth: 160° Dip Collar: -46°

Down Hole Surveys: Pajari

Depth:	Az:	Dip:
30m	158°	-47°
-60m	158°	-47°
90m	159°	-47°
120m	160°	-46°
150m	160°	-46°
180m	164°	-47°

Drilled by: Longyear Canada Inc.
From-To: 15/3/88 - 18/3/88
Size(s): NQ
Logged by: Peter M. Dimmell
Signed:

Remarks: Drilled to test westward extension of soil anomaly in gold, assonic and silver - tested by MS-88-5, 8, casing left

INTERVAL FROM	INTERVAL TO	ROCK TYPE	DESCRIPTION	PLANAR FEATURE ANGLE°	SAMPLE NO.	INTERVAL FROM	INTERVAL TO	SAMPLE LENGTH	ASSAYS Pb (%)	ASSAYS Zn (%)	ASSAYS Ag (oz/ton)	ASSAYS Au ppb)
0	7.9	Overburden	(casing to 7.9) - gravel, sand, small boulders									
7.9	14.7	Argillite	argillite - chloritic/graphitic light to dark grey to black fine grained; interbedded graphitic/siliceous beds - finely bedded - soft sediment deformation prevalent 9-10, 13-14.7 - bedding contorted (slumped) - boudinaged sulphides - pyrite as fine grained fracture fillings and blebs along and crosscutting bedding 2-3%	CA 30-35°								
14.7	16.2	Fault Zone	dark grey to black graphitic gouge/broken core with same quartz - carb. veining - irreg (1m lost core in section). sulphides - pyrite 5-6% through section									
16.2	17.0	Argillite	same as above Bedding contorted									
17.0	17.9	Fault/Shear Zone	light-dark grey, fine grained; quartz-carbonate veined throughout - irreg/discont - white - unit is contorted/sheared - some graphitic gouge zones sulphides - pyrite as fine grained blebs 3-4%	CA 30-40°	6160	17.0	17.9	0.9		.10	3.4	27 .03

LACANA MINING CORPORATION — DIAMOND DRILL RECORD — HOLE#: MS-88-9 — Page: 2 of 7

INTERVAL FROM	INTERVAL TO	ROCK TYPE	DESCRIPTION	PLANAR FEATURE ANGLE°	SAMPLE NO.	INTERVAL FROM	INTERVAL TO	SAMPLE LENGTH	ASSAYS Pb,Zn (%)	ASSAYS Ag (oz/ton	ASSAYS Au ppb)
17.9	27.0	Argillite	med-dark grey, fine grained; graphitic to chloritic; well bedded/banded near top of section 20m → more massive, less banded; 21-25.3 - core broken with areas of graphitic gouge/fragments 10-20cm - no orientation available - white carbonate veining - irreg/discont more prev. to bottom section - sulphides - pyrite as fracture fillings, blebs - gen.assoc.w/ qtz. carb veining	CA≤65°							
27.0	31.2	Fault/Shear Zone	med-dark grey, fine grianed; quartz-carbonate veined throughout w/carbonate veining predominating 10-20% veining of total rock; crosscutting by irreg/discont; some apparent carbonatization of host rock.sulphides - pyrite - diss, fracture filling and blebs throughout 3-4% - some euhedral fracture fillings 27-27.1 - green & purple fluorite assoc w/ calcite crystals in vugs		6161	27	28	1.0	.25	8.6	56 .06
					6162	28	28.5	0.5	.12	4.1	34 .03
					6163	28.5	29	0.5	.26	8.9	959 .96
					6164	29	29.5	0.5	.15	5.1	69 .07
					6165	29.5	30	0.5	.14	4.8	85 .09
					6166	30	31.2	1.2	.57	19.6	96 .10
31.2	32.6	Fault Zone	dark grey to black, fine grained; - graphitic to talcy core badly broken to gouge (0.3m lost core in section) 31.2-31.5 - gouged - graphitic 32.3-32.6 - gouged - talcy sulphides - throughout - fine grained diss. pyrite 2-4%		6167	31.2	32.2	1.0	.10	3.4	14 .01
					6168	32.2	32.6	0.4	.08	2.7	21 .02
32.6	35.3	Argillite Weakly Altered	dark green to black, fine grained; chloritic - fairly massive - irreg bedding/banding - some qtz carb veining - irreg/discont sulphides - minor diss + fract filling pyrite 1-2% 33.5 - 34.75 - core broken - some gouge - chloritic								
35.3	48.4	Argillite/ Greywacke	light grey to dark grey to black, fine grained; well bedded to banded - Bedding 35.5-38, 38-48.4 35.5-37.8 - qtz./carb veining along and oblique to bedding irreg/discont	{CA's 30-45° CA's 45-70°	6169	36	37	1.0	.11	3.8	151 .15
			40.8-41.2 - quartz veining - irreg/discont - rest of section - scattered quartz/carb veining - mainly qtz - irreg/discont; some carbonatized/calcareous sections. sulphides - mainly diss. fracture filling and bleb pyrite - minor nonmagnetic pyrrhotite 46-46.65 - core broken - chloritic/graphitic - some gouge		6170	41	42	1.0	.05	1.7	8 .01
			45-45.4 - heavy sulphides - Py/Pyrr minor aspy assoc. w/ qtz vein; total sulphide 20-25%	CA 25°	6171	45	45.4	0.4	.18	6.2	306 .31

LACANA MINING CORPORATION — DIAMOND DRILL RECORD — HOLE#: MS-88-9 — Page: 3 of 7

INTERVAL FROM	TO	ROCK TYPE	DESCRIPTION	PLANAR FEATURE ANGLE°	SAMPLE NO.	INTERVAL FROM	TO	SAMPLE LENGTH	ASSAYS Pb, Zn (%)	Ag (oz/ton	Au ppb)
48.4	57.7	Argillite Graphitic	dark grey to black, fine grained; highly contorted - variable through section with irreg/discont qtz/carb veining - chlorite /carbonate serpentine along fractures 48.4-51m - minor euhadral pyrite assoc 1-2%		6172	50	51	1.0		.06 2.1	16 .02
			51.9-52.1 - semi-mass.Py, sphal, gal in qtz. vein	CA 60°	6173	51.6	51.9	0.3		.09 3.1	15 .02
			52.5 - becomes more graphitic - black w/ irreg qtz. + qtz/carb vein		6174	51.9	52.1	0.2		2.63 90.2	699 .70
					6175	52.1	52.5	0.4		.08 2.7	27 .03
			55-57.7 - Bedded/banded	CA 45-55°							
57.7	57.9	Fault Zone	dark grey, fine grained; graphitic gouge - qtz. fragments, rock fragments w/ fine grained sulphides 2-3%	CA 45°							
57.9	62.0	Argillite Graphitic	dark green to black, fine grained; - graphitic to chloritic; scattered irreg/discont qtz/carb veining - Bedded/foliated - sulphides - fracture filling, bleb and diss 2-3%	CA 45-50°							
					6176	60	61	1.0	.015 .02	.06 2.1	25 .03
					6177	61	62	1.0	.01 .021	.04 1.4	27 .03
62.0	67.5	Argillite Altered	light-med yellowish grey-green, fine grained; serictiic alteration -phyllitic w/ extensive quartz and quartz carbonate alteration irreg/discont - 10% - some brecciation; chloritic in places - bedding/ foliation - deformed - irregular throughout. sulphides fracture filling, bleb and dissaminated pyrite sphalerite - red brown and galena (minor) assoc. gen w/ quartz-rich areas - chloritic 3-5%. strongest mineralization 63.3-63.4, 64.2-64.7 - becoming more silicified to bottom section		6178	62	63	1.0	.01 .025	.03 1.0	41 .04
					6179	63	64	1.0	.093 .31	.20 6.9	41 .04
					6180	64	65	1.0	.038 .37	.15 5.1	42 .04
					6181	65	66	1.0	.022 .045	.14 4.8	70 .07
					6182	66	67	1.0	.045 .15	.16 5.5	110 .11
					6183	67	67.5	0.5	.035 .034	.10 3.4	26 .03
67.5	78.8	Argillite - Altered Silicified	med-dark green, fine grained; silicified - pervasive some highly sericitized areas - sulphides - med grained pyrite associatd with chloritic - quartz rich zones - up to 5-10% sulphides - gen 2-3%		6184	67.5	68.0	0.5		.10 3.4	108 .11
					6185	68.0	68.5	0.5		.07 2.4	84 .08
					6186	68.5	69.0	0.5		.10 3.4	71 .07
					6187	69	70	1.0		.09 3.1	151 .15
			68-68.5 - strongly silicified - skarned cream-white - brecciated with minor diss. pyrite		6188	70	70.6	0.6		.11 3.8	138 .14
					6189	70.6	70.9	0.3		.29 9.9	247 .25
			70.6-70.9 - strong qtz veining/sulphide - pyrite 10%		6190	70.9	71.7	0.8		.10 3.4	83 .08
			71.7-71.9 - graphitic gouge/broken core	CA 50°	6191	71.7	72.2	0.5		.29 9.9	452 .45
			71.9-72.2 - highly sericitized - yellow-green w/ qtz carb veining and assoc. pyrite 10%	CA 50°	6192	72.2	73	0.8		.08 2.7	96 .10
					6193	73	74	1.0		.10 3.4	83 .08

LACANA MINING CORPORATION — DIAMOND DRILL RECORD — HOLE#: MS-88-9 —

INTERVAL FROM	INTERVAL TO	ROCK TYPE	DESCRIPTION	PLANAR FEATURE ANGLE°	SAMPLE NO.	INTERVAL FROM	INTERVAL TO	SAMPLE LENGTH	ASSAYS Pb,Zn (%)	ASSAYS Ag (oz/ton	ASSAYS Au ppb)
			72-76.2 - less silicified - minor irreg/discont qtz veining		6194	74	- 75	1.0		.11 3.8	123 .12
			76.2-77.5, 77.9-78.2 - more silicified - assoc. w/qtz veining - sulphides stronger - pyrite		6195	75	- 76	1.0		.06 2.1	83 .08
					6196	76	- 77	1.0		.10 3.4	83 .08
					6197	77	- 78	1.0		.12 4.1	151 .15
					6198	78	- 78.8	0.8		.10 3.4	59 .06
78.8	81.8	Argillite - Brecciated Silicified	dark green matrix - fine grained with irreg/discont white quartz fragments - veining; brecciated/ silicified hard; fol/bedding - irreg/deformed sulphides - diss. + fracture filling pyrite, very minor sphalerite 1-3% 80.8-81.4 - deformed argillite - no quartz veining		6199	78.8	- 79.8	1.0		.13 4.5	89 .09
					6200	79.8	- 80.8	1.0		.08 2.7	96 .10
					6201	80.8	- 81.4	0.6		.15 5.1	63 .06
					6202	81.4	- 81.8	0.4		.10 3.4	55 .06
					6203	81.8	- 82.5	0.7		.10 3.4	83 .08
81.8	100.8	Argillite silicified	dark green to black fine grained; silicified; hard massive; some bedding/banding - some contortion - irreg/discont qtz/chlorite veining throughout - crosscutting and along core axis - anastomosing sulphides - pyrite, pyrrhotite and fracture fillings, blebs and disseminated 2-4% - short sections 10cm-10% ie. 86.3-86.5, 86.9-87.1,89.4-89.5 89.5 - becomes more bedded - interbedded black/med grey - variably silicified - silicification assoc. with quartz - chlorite veining (?) 97.9-98.1 - skarned section - hard med grey-green 99.3-100.1 - silicified with irreg/discont qtz/chlor veining	CA 65-70°	6204	86.1	- 87.1	1.0		.09 3.1	110 .11
					6205	88	- 89	1.0		.07 2.4	58 .06
					6206	93	- 94	1.0		.09 3.1	69 .07
					6207	96	- 97	1.0		.08 2.7	86 .09
					6208	99.3	- 100.1	0.8		.05 1.7	89 .09
					6209	100.1	- 100.8	0.7		.09 3.1	85 .09
			100.1-100.8 - bedded argillite	Bedding CA 35-40°	6210	100.8	- 102.0	1.2		.08 2.7	89 .09
					6211	102	- 102.8	0.8		.04 1.4	59 .06
100.8	106m	Breccia Silicified	med-dark grey to light-med grey-cream, fine grained matrix; breccia is med coarse with fine grained graphitic matrix; silicified throughout; fractures are slickensided-graphitic sulphides - fine grained pyrite as blebs, fracture fillings and diss. gen 1-3% max except in short sections up to 10% 100.8-102.8 - graphitic matrix w/silicified breccia fragments - fractures slickensided - graphitic sulphides - pyrite 1-3% 102.8-104.6 - mainly silicified rock - altered yellow cream/green; graphitic matrix at top and bottom sulphides - fine grained diss. - 1%	contact CA 65°	6212	102.8	- 103.7	0.9		.03 1.0	110 .11
					6213	103.7	- 104.6	0.9		.04 1.4	92 .09
					6214	104.6	- 104.9	0.3		.07 2.4	103 .10
					6215	104.9	- 105.4	0.5		1.25 42.9	1610 1.6
					6116	105.4	- 106	0.6		.05 1.7	106 .11

LACANA MINING CORPORATION

DIAMOND DRILL RECORD

HOLE#: MS-88-9 Page: 5 of 7

INTERVAL FROM	INTERVAL TO	ROCK TYPE	DESCRIPTION	PLANAR FEATURE ANGLE°	SAMPLE NO.	INTERVAL FROM	INTERVAL TO	SAMPLE LENGTH	ASSAYS Pb,Zn (%)	ASSAYS Ag (oz/ton	ASSAYS Au ppb)
			104.6-104.9 - qtz. veined/graph. matrix breccia sulphides - 3-4% - pyrite. 104.9-105.4 - sulphide veins in qtz veined breccia, sulph-py,pyrr(mag),asp 10% 105.4-106 - qtz. veined graphitic breccia sulphides- pyrite - 2-4%	CA 30-35°							
106.0	122.6	Argillite Var silicified skarned	med-dark grey-green, fine grained; silicified; - some grey-green skarned sections - quartz veining - white - irreg/discont scattered ie. 110.3-110.6 bedding/banding - scattered sulphides - pyrite as fracture fillings and diss-aminated 2-3% 111.6-111.9 - 1-2cm qtz/carb vein - along core axis 112.8-113.1 - qtz/carb veining (1cm wide) along core axis 115-122.6 - becomes less silicified/skarned - softer generally massive - some banding/bedding scattered irreg/discont quartz veining - strongest 119.5-121m	CA 25-40°	6217	106	107	1.0		.06	2.1	96 .10
					6218	109	110	1.0		.08	2.7	63 .06
					6219	110	111	1.0		.08	2.7	69 .07
					6220	114	115	1.0		.08	2.7	89 .09
				CA 35-40°								
122.6	125.2	Argillite Brecciated	sulphides - pyrite as fract fillings, diss. - 2-4% med-dark grey-green, fine grained; - irreg/discont and brecciated quartz veins, qtz. content 5-10% sulphides - fine grained diss and fracture filling 3-4% - pyrite		6221	118.5	119.5	1.0		.05	1.7	55 .06
					6222	119.5	121	1.5		.04	1.4	73 .07
					6223	122.6	124	1.4		.05	1.7	83 .08
					6224	124	125.2	1.2		.05	1.7	56 .06
125.2	130.5	Argillite Weakly Silicified	123.9-124 - 3cm qtz vein - chloritic at slickensides Dark grey-green, fine grained; weakly silicified massive; some banding/bedding - sometimes contorted sulphides - fracture filling, wispy blebs and dissem pyrite 3-4% - minor irreg/discont qtz. veining - grey, fine grained; 129.9 - qtz/epidote vein - 1cm wide 130.1-130.2 - talcy - chlorite alteration along fracture 130.2-130.5 - 20% irreg/discont qtz. veining - ladder veins	CA 25°								
				CA 25-40°	6225	125.2	126	0.8		.06	2.1	54 .05
					6226	128	129	1.0		.05	1.7	ND
				CA 80°								
				CA 35°								

INTERVAL FROM	TO	ROCK TYPE	DESCRIPTION	PLANAR FEATURE ANGLE°	SAMPLE NO.	INTERVAL FROM	TO	SAMPLE LENGTH	ASSAYS Pb,Zn (%)	Ag (oz/ton	Au ppb)
130.5	152.5	Argillite Var. Skarned/ Silicified	light-med grey-green to med-dark brownish green, fine grained; variably skarned/silicified with stronger sulphides - pyrite/pyrrhotite assoc w/ skarn sections quartz veining - white-chloritic-irreg/discont ubiquitous throughout section sulphides - fracture filling and disseminated - fine grained - mainly pyrrhotite 3-4% - stronger in skarned sections		6227	133	134	1.0		.05	1.7 41 .04
					6228	135	136	1.0		.04	1.4 36 .04
					6229	138	139	1.0		.05	1.7 29 .03
					6230	139	140	1.0		.13	4.5 32 .03
			137-141 - wider qtz/ veining more prevalent - preferred orientation across banding/bedding	CA 35-50°	6231	140	141	1.0		.05	1.7 86 .09
					6232	141	142	1.0		ND	103 .10
			141.5 - preferred irientation qtz. breccia fragments	CA 45°	6233	142	143	1.0		.04	1.4 103 .10
			143-143.3 - pyrrhotite veins to 1cm wide(3)	CA 65°	6234	143	144	1.0		.06	2.1 69 .07
			146-149 - scattered oblique carbonate veins 5-7mm wide	CA's 10-20°	6235	144	145	1.0		.07	2.4 90 .09
					6236	145	146	1.0		.05	1.7 75 .08
			149-150 - irreg/discont qtz. veining - silicified								
			150-152.5 - more massive section - qtz. veining - scattered/narrow/irreg/discont to 151		6237	149	150	1.0		.05	1.7 82 .08
			151-152.5 - banded/bedded - sulphides fracture filling and diss. - fine grained 3-5%	CA 35° to along core							
152.5	155.2	Skarn	mottled light-med grey-green and dark brownish green fine grained; scattered irreg/discont qtz veining sulphides-minor to very minor diss py, pyrr some preferred orientation - mottled/alteration	CA 25°	6238	154	155	1.0		.08	2.7 55 .06
155.2	169.0	Argillite silicified var. skarned	dark brownish green to med grey-green in skarned sections, fine grained; - variably silicified - massive - some banding/bedding - sulphides - fracture filling, disseminated 3-4% mainly associated with skarned sections - skarned sections 156.5-157.4, 159-159.7, 164.1-164.7, 165.5-166m; minor cpy assoc. with pyrr 157.4m	CA 30-35°	6239	155.2	156.5	1.3		.05	1.7 89 .09
					6240	156.5	157.4	0.9		.10	3.4 130 .13
					6241	159	159.7	0.7		.11	3.7 110 .11
					6242	163	164	1.0		.09	3.1 103 .10
					6243	164	164.7	0.7		.11	3.7 96 .10
			166.7 - 1cm vein - semi-massive pyrrhotite, chlorite alt/qtz vein	CA 15°	6244	164.7	166	1.3		.13	4.5 141 .14
			161.5-169 - rock becomes more silicified/sulphide rich - sulphides generally associated with skarned/ silicified zones								

LACANA MINING CORPORATION — DIAMOND DRILL RECORD — HOLE#: MS-88-9 — Page: 7 of 7

INTERVAL FROM	INTERVAL TO	ROCK TYPE	DESCRIPTION	PLANAR FEATURE ANGLE°	SAMPLE NO.	INTERVAL FROM	INTERVAL TO	SAMPLE LENGTH	ASSAYS Pb,Zn (%)	ASSAYS Ag (oz/ton		ASSAYS Au ppb)	
169.0	171.0	Skarn	light-med grey-green, fine grained; silicified irreg/discont qtz. veining - w/ some brecciation to bottom section - crosscutting bending - sulphides - pyrite pyrrhotite - diss, blebs and fracture fillings 3-4% - rock is cherty - concoided fracturing in places		6245	169	170	1.0		.13	4.5	96	.10
					6246	170	171	1.0		.05	1.7	103	.10
171.0	183.2	Argillite silicified	med-dark brownish green, fine grained; some skarning silicified throughout - massive, cherty scattered areas of banding (skarning) 173.5 - sulphides - diss fine grained blebs and fracture filling - pyrite pyrrhotite 3-4% - pyrr assoc mainly w/skarned sections.		6247	171.0	172	1.0		.05	1.7	85	.09
					6248	172	173	1.0		.08	2.7	96	.10
				CA 30°	6249	173	174	1.0		.10	3.4	110	.11
					6250	174	175	1.0		.08	2.7	69	.07
			178-183.2 - only minor quartz veining - no significant skarn sections; rock is massive - some areas strong sulphides - fine grained diss fracture filling 5-7% - ie. 178.6-179.2, 180-180.5 - appears banded		6251	178	179.2	1.2		.08	2.7	96	.10
					6252	179.2	180.0	0.8		.05	1.7	27	.03
					6253	180	180.5	0.5		.05	1.7	41	.04
				CA 55°	6254	180.5	181	0.5		.06	2.1	82	.08
					6255	181	182	1.0		.05	1.7	101	.10
			182.9-183 - py, pyrr, minor red brown sphalerite 5-7% in qtz. vein/silicified zone		6256	182	183.2	1.2		.03	1.0	123	.12
183.2		End of Hole											

Assay #'s 6160 - 6256:
Semi-mass. py/sph/gal in qtz vein - 51.9 - 52.1 (0.2 m) 90.2 g/t (2.63 oz/ton) Ag, 0.70 g/t Au

Py, pyrr, aspy in qtz veined breccia - 104.9 - 105.4 (0.5 m) 42.9 g/t (1.25 oz/ton) Ag, 1.6 g/t Au

Assayers and Analytical Chemists

P. O. Box 520 920 Bridge Street, Bathurst, N. B. E2A 3Z4

Identification: Lacana Mining Corp.

Description: Drill Core

March 31, 1988

M-5-88-9
17.0 – 183.2 m

Sample No.	Lab. No.	Weight	Ag oz/tpn	Au ppb	Pb %	Zn %					
6160		17 - 17.9	.10	27							
6161			.25	56							
6162			.12	34							
6163			.26	959							
6164			.15	69							
6165			.14	85							
6166			.57	96							
6167			.10	14							
6168		29.2 - 32.6	.08	21							
6169			.11	151							
6170			.05	8							
6171			.18	306							
6172			.06	16							
6173			.09	.15	?						
6174			2.63	699							
6175		52.1 - 52.5	.08	27							
6176		60 - 61	.06	25	.015	.02					
6177			.04	27	.01	.021					
6178			.03	41	.01	.025					
6179		63 - 64 m	.20	41	.093	.31					

Checked by: _____

Analyst: Robert Stairs

Assayers and Analytical Chemists

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Identification: Lacana Mining Corp.

Description: Drill Core

March 31, 1988

Sample No.	Lab. No.	Weight	Ag oz/ton	Au ppb	Pb %	Zn %
6180			.15	42	.038	.37
6181			.14	70	.022	.045
6182			.16	110	.045	.15
6183		67-67.5m	.10	26	.035	.034
6184			.10	108		
6185			.07	84		
6186			.10	71		
6187			.09	151		
6188			.11	138		
6189			.29	247		
6190			.10	83		
6191			.29	452		
6192			.08	96		
6193		73-74m	.10	83		
6194			.11	123		
6195			.06	83		
6196			.10	83		
6197			.12	151		
6198			.10	59		
6199		78.8-79.8	.13	89		

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Analyst: Robert Stairs

Assayers and Analytical Chemists

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Identification: Lacana Mining Corp.

March 31, 1988

Description: Drill Core

Sample No.	Lab. No.	Weight	Ag oz/ton	Au ppb
6200			.08	96
6201			.15	63
6202			.10	55
6203			.10	83
6204			.09	110
6205			.07	58
6206			.09	69
6207			.08	86
6208			.05	89
6209			.09	85
6210			.08	89
6211			.04	59
6212			.03	110
6213			.04	92
6214		104.6 - 108.9	.07	103
6215			1.25	1610
6216			.05	106
6217			.06	96
6218			.08	63
6219		110 - 111	.08	69

Checked by: _____

Analyst: _____
Robert Stairs

[illegible] ORIES LIMITED [illegible]

Assayers and Analytical Chemists - 4 -

P. O. Box 520 920 Bridge Street, Bathurst, N. B. E2A 3Z4

Identification: Lacana Mining Corp.

Description: Drill Core

March 31, 1988

Sample No.	Lab. No.	Weight	oz/t Ag	PPb Au
6220		114-115m	.08	89
6221			.05	55
6222			.04	73
6223			.05	83
6224		124-125.2	.05	56
6225			.06	54
6226			.05	0
6227			.05	41
6228			.04	36
6229			.05	29
6230			.13	32
6231			.05	86
6232			ND	103
6233			.04	103
6234			.06	69
6235			.07	90
6236			.05	75
6237			.05	82
6238		154-155m	.08	55
6239		155.2-155.5	.05	89

Checked by: _____

Analyst: Robert Stairs

CUSTOM ... ORIES LIMITED
Assayers and Analytical Chemists
P. O. Box 520 920 Bridge Street, Bathurst, N. B. E2A 3Z4
Telephone: 546-4779

- 5 -

Identification: Lacana Mining Corp.

Description: Drill Core

March 31, 1988

Sample No.	Lab. No.	Weight	oz/t Ag	PPb Au
6240		157.5-157.9	.10	130
6241			.11	110
6242			.09	103
6243			.11	96
6244			.13	141
6245			.13	96
6246			.05	103
6247			.05	85
6248			.08	96
6249			.10	110
6250			.08	69
6251			.08	96
6252			.05	27
6253			.05	41
6254			.06	82
6255			.05	101
6256			.03	123

Checked by: _____

Analyst: _____
Robert Stairs

LACANA MINING CORPORATION DIAMOND DRILL RECORD HOLE#: MS-88-10 Page: 1 of 2

Property: Millstream - North Location: Down Hole Surveys: Drilled by: Ideal
Area (Map #) Grid: L 42+00W+732mN Depth: Az: Dip: From-To:
Claim #: Size(s): BQ
M.D./County: Gloucester Length: 56.4 (Units: meter) Logged by: J. Duncan
Province: New Brunswick Azimuth: 340° Dip Collar: -45 Signed:

Remarks: Casing left in hole
Abandoned - Rocks binding in hole - Fault zone

INTERVAL FROM	TO	ROCK TYPE	DESCRIPTION	PLANAR FEATURE ANGLE°	SAMPLE NO.	INTERVAL FROM	TO	SAMPLE LENGTH	ASSAYS Pb,Zn (%)	Ag (oz/ton)	Au (ppb)
0	- 6.0	Casing									
6.0	- 49.4	Siliceous intercalated banded argillite /greywacke Hornfels - skarn	- silicified chilled banded grey/green beige laminated argillite local 10cm section granular fragmental greywacke minor arkose beds local fractured & minor qtz/ca. Tr. 1% py & fracture filling - top of hole blocky local Fe fracture weathering @7.1-7.4 - sil fine grained grey green foliated tuffereous? qtzitic matrix. Tr. py ∠45° fol @ 10.3-∠60°-10.7 same coarser grained fol ∠45° fol arkose/greywacke @10.9 ∠30° same - 11.3 @ 11.3-12.0 silicified banded argillite ∠55° banding ∠30° oppos. fractures local py fracture filling @112.0-112.4 ∠55° foliated arkose/greywacke stretched fold - lithic @112.4-112.5 - silicified banded argillite ∠50° bands @112.5-112.8 ∠0° qtz/ca shear Tr. py weak Fe weathering @112.8. 20.0 intercalated sil argillite greywacke/local sections fragments 1cm 45-70° fol ∠45-30° fractures							
			@20.0-22.8 - silicified banded arg minor arkose 5% qtz/ca stringers-chl. Tr. py ∠55° - Fractured ∠45-40° @23.0-23.6 ∠40° fol. squeezed gwk minor qtz/ca ∠25° - 23.6-26.0 - increase qtz/ca stockwork - 10-15% local 5-10% py stringers ∠25-45° fractures ∠55° @24.7-25.2 - fol gwk 5% qtz/ca stringers 25.2-41.7 as before intercalated banded argillite / squeezed fol gwk 1-5% qtz/ca stringers local 2% py @30.4 ∠25° qtz/ca py shear @31.0 ∠65° argillite		5377	20.0	21.0	1.0		0.06	0
					5378	21.0	22.0	1.0		0.08	121
					5379	22.0	23.0	1.0		0.05	89
					5380	23.0	24.0	1.0		0.10	82
					5381	24.0	24.7	0.7		0.13	110
					5382	24.7	26.0	1.3		0.13	103

90

LACANA MINING CORPORATION DIAMOND DRILL RECORD HOLE#: MS-88-10 Page: 2 of 2

INTERVAL FROM	INTERVAL TO	ROCK TYPE	DESCRIPTION	PLANAR FEATURE ANGLE°	SAMPLE NO.	INTERVAL FROM	INTERVAL TO	SAMPLE LENGTH	ASSAYS Pb, Zn (%)	ASSAYS Ag (oz/ton)	ASSAYS Au (ppb)
6.0	49.4	cont'd	bands @ 31.9 ∢80° squeezed gwk clasts @35.4 ∢ 40° gwk fol @ 35.9-36.1 - 40% qtz/chl ∠1% py								
			@37.0 ∢45° - sil banded argillite/greywacke contact	@							
			38.4 ∢60° fol gwk ∢45° chl. fracture @41.3 ∢60° 2cm qtz/ca								
			@41.3-43.5 ∢75° fol banding intercalated sil arg/gwk arkose 1-2% qtz stringer Tr. py								
			@43.5-46.6 - gwk arkose minor sil arg bands ∢75° stretched fragments								
			46.6-49.0 - sil banded hornfels arg ∢75° banding local fractured & local 2% chl. py fracture filling		5383	46.5	48.0	1.5		0.05	110
			@46.6 ∢30° 1cm qtz/ca stringers - weak buff brown, bleached arg.								
			@49.0-49.4 - fractured 10% qtz/ca ∢35° sil arg/gwk matrix - bleached buff brown weak ser @49.2 fractured weak brecciated - 10% py sphalerite blebs		5384	49.0	49.4	0.4		0.11	110
49.4	56.4	Fault Zone	@49.4 contact sheared contorted clay gouge → calcareous 49.4-50.4 60% qtz matrix ∢30° 10% bluish cherty smoky qtz - 5-10% yellowish brown ser Fe carbonate wisps - 5% py Tr. As 1% dark sphalerite blebs - local 15% sulphides. Fault zone contact		5385	49.4	50.4	1.0		0.10	116
			@50.4-79.7 - calcareous grey gouge 10% pinkish white carbonate fracture filling - stringers carry Tr. py ∢35-50° - shear gouge 3-10% pyrite. Tr. As - local fragments calcareous laminated arg - lacks - silicification		5386	50.4	51.8	1.4		0.08	114
			@51.8-53.6 - no core recovery, gouge	51.8-53.0 missing	5387	51.8	53.6	1.8		0.09	107
			53.0-53.6 - fractured weak brecciated carbonate fracture filling Tr 3% py @53.6-55.7 grey gouge		5388	53.6	54.8	1.2		0.10	112
					5389	54.8	55.7	0.9		0.09	116
			calcareous 2-5% py @55.7-56.4 local gouge calcareous altered arg carbonate pinkish stringers cut fol ∢35° oppos. fol ∢ 20°		5390	55.7	56.4	0.7		0.10	100
			E.O.H. @ 56.4								

[illegible] LIMITED

Assayers and Analytical Chemists

P. O. Box 520 920 Bridge Street, Bathurst, N. B. E2A 3Z4

Identification: Lacana Mining Corp.

MS-88-10

Description: Drill Core

April 5, 1988

Sample No.	Lab. No.	Weight	Ag oz/ton	Au ppb							
5377			.06	0							
5378			.08	121							
5379			.05	89							
5380			.10	82							
5381			.13	110							
5382			.13	103							
5383			.05	110							
5384			.11	110							
5385			.10	116	✓						
5386			.08	114							
5387			.09	107							
5388			.10	112							
5389			.09	116							
5390			.10	100							

Checked by: _____

Analyst: Robert Stairs per CJ

Robert Stairs

LACANA MINING CORPORATION DIAMOND DRILL RECORD HOLE#: MS-88-11 Page: 1 of 9

Property: Millstream
Area (Map #)
Claim #:
M.D./County: Gloucester
Province: New Brunswick

Location:
Grid: L3350W
1+50N
Length: 179.4 (Units: metric)
Azimuth: 200Az Dip Collar: -45°

Down Hole Surveys: Pajari

Depth:	Az:	Dip:
30.5	(47)	-44
61.0	(359)	-44
91.4	(43)	-46
121.9	(44)	-46
152.4	(44)	-46

Drilled by: Long Year
From-To: June 23/88 - June 25/88
Size(s): NQ
Logged by: John Duncan
Signed: (John Duncan)

Remarks: - Corrected Assays plotted Re: Aug. 18/88
- Assays July 18/88 - error -

INTERVAL FROM TO	ROCK TYPE	DESCRIPTION	PLANAR FEATURE ANGLE°	SAMPLE NO.	INTERVAL FROM TO	SAMPLE LENGTH	ASSAYS Pb,Zn (%)	Ag (oz/ton)	Au (ppb)
0 - 6.8 m 6.8 - 30.0	casing (Graph.) Arg/ Phyllite	light-dark grey - locally graphitic contorted argillite/phyllite- 10-15% qtz. ca stockwork local sheared fragmented - occassional pinkish carbonate vein - sections 1cm massive sulphide stringers Py/Pb/Zn @7.3-11.0 - blocky core Fe oxide along fractures weathered @13.4 - Fol/ca 30° @11.6 - 2cm/ca ∢25° @16.2 - 2cm/ca brecciated ∢55° @14.8-15.8 - sheared contorted - local graphitic gouge - minor py blebs/patches ∢30° carbonate @16.8 ∢52° Fol & 2mm sulphides - @16.9 ∢35° 3cm massive sulphides py/Pb/Zn - @17.2 1cm pinkish carbonate 1cm ∢45°. from 17.2-18.0 contorted fragmented weak sheared @17.7 1cm massive sulphides py/Pb/Zn @18.8 - 8cm barren qtz ∢55° - 18.9-21.0 contorted sheared minor pyrite wisp & patches 60-10° Fol @21.5 ∢30° qtz shear contort. 21.5-24.2 - 25% qtz/ca stockwork - sheared matrix local - graphitic gouge 1-2% py patches & occassional hair stringer @22.5 ∢15° graphitic shear @23.0 ∢45° foliation @23.55 ∢50° - 2cm qtz/ca ∠1% py		5391 5392 5393 5394 5395 5396	14.8 - 15.8 15.8 - 16.8 16.8 - 18.0 21.5 - 22.5 22.5 - 23.5 23.5 - 24.5	1.0 1.0 1.2 1.0 1.0 1.0		0.09 0.05 0.84 0.08 ND 0.03	0 14 96 0 0 0

INTERVAL FROM	INTERVAL TO	ROCK TYPE	DESCRIPTION	PLANAR FEATURE ANGLE°	SAMPLE NO.	INTERVAL FROM	INTERVAL TO	SAMPLE LENGTH	ASSAYS Pb, Zn (%)	ASSAYS Ag (oz/ton)	ASSAYS Au (ppb)
6.8	30.0	cont'd	@23.5-24.2 - 40% qtz/ca stockwork weak sheared matrix 24.2-30.0 - contorted 5-10% qtz stockwork weak sheared arg minor py speck Foliation 25.6 ∠65° 26.8 ∠55° 25.8 ∠50° 29.3 ∠55° @29.7 - blocky sheared arg								
30.0	36.7	Hornfels/Skarn	From 30.0 increase siliceous matrix - mottled grey/green/maroonish grey banded - local silicified - light green matrix calc. silicate matrix local py blebs & fracture coating @32.3-32.5 - calcareous - chloritic patches local py - sphalerite blebs/Pb 32.5-33.0 - siliceous - 1-2% py blebs - occassional hair fracture - pinkish orange potassic 33.0-36.7 - some skarn/hornfels siliceous ∠20° minor py stringer - blebs orange potassic alteration 34.7 banding ∠45°, banding @36.0 ∠55° @36.4-36.7 - 50% qtz sheared light-green matrix Tr py		5397 5398	32.0 33.0	33.0 34.0	1.0 1.0		0.05 0.04	0 0
36.7	51.7	Grey/dark grey Argillite	local contorted 5-10% qtz/ca sections weak altered light grey/green minor pyrite blebs occassional qtz/ca stringers 1% py local sil. sections but not hornfels/skarn as before @38.3 ∠35° 5mm ca yellowish talcose altered 38.3-40.0 - 10-15% qtz/ca stringers - local 1-2% py blebs calcareous matrix weak altered Fol 50-75°∠ local contorted @39.7 ∠30° Fol @39.8 ∠35° oppos. 1cm pinkish carbonate stringers@39.9 ∠55° 2cm qtz/ca 40.0-46.0 - grey/dark grey argillite 5-10% qtz/ca stockwork minor py blebs @42.2 ∠55° Fol ∠20° ca oppos, 42.6 ∠30° Fol ∠55° 1cm pinkish ca @43.0 ∠25° Fol @43.2 ∠40° qtz/ca sheared @44.0 ∠25° 3cm qtz @45.0 ∠30° Fol @46.3 ∠55° Fol @46.5 ∠50° 5mm pinkish/ca 46.0-49.0 - argillite 10% qtz/ca stockwork ∠50° Fol ∠60°		5399 5400	38.0 39.0	39.0 40.0	1.0 1.0		0.13 0.11	18 0

LACANA MINING CORPORATION DIAMOND DRILL RECORD HOLE#: MS-88-11 Page: 3 of 9

INTERVAL FROM	TO	ROCK TYPE	DESCRIPTION	PLANAR FEATURE ANGLE°	SAMPLE NO.	INTERVAL FROM	TO	SAMPLE LENGTH	ASSAYS Pb,Zn (%)	Ag (oz/ton)	Au (ppb)
36.7	51.7	cont'd	49.0-51.7 - increase carbonate stringers 10-15% local sheared yellowish ser. talc carbonate stringers Tr py - minor hematite along ca contacts Fol ∢65°								
51.7	55.0	Qtz Fels sst/ grit	light grey massive/weak foliated 10-15% qtz 5% white Feld minor qtz stringers, ∢25-30° Fol Tr py - feldspar porphyroblastic								
55.0	63.0	Dark grey Argillite	increase carbonate stringers - 10-15% local massive pinkish carbonate - 1-2% py, carbonate crystals. 2mm ca stringers ∢35° Fol ∢50°								
		*	@56.1-56.6 - 70% qtz massive.contacts qtz sheared 1% py Tr Pb specks. ∢50° contact			56.1	56.6				
			56.6-58.7 - dark grey fine grained argillite ∠1% py wisps & hair fracture filling ∢75-80°		5401	56.6	58.0	0.4		0.10	11
					5402	58.0	58.7	0.7		0.07	0
			58.7-59.3 - 30% carbonate local massive py blebs @58.7 ∢55° - 6cm pinkish carbonate py blebs		5403	58.7	59.3	0.6		0.08	0
			@59.1-59.23 massive pinkish carbonate vuggy crystal development								
			59.3-63.0 - light grey/dark grey banded argillite/ phyllite - 5-10% carbonate stringers minor py blebs - local contorted								
63.0	75.8	Siliceous Argillite (local skarn)	Grey green local (skarn) banded siliceous sections - local stringers Pb/Zn py & py blebs local sheared - contorted 10-15% qtz/ca								
			@63.0-64.2 - weak sheared contorted ∠1% py hair fracture filling 5-10% qtz/ca Fol 0-25°								
			64.2-67.6 - silicified sections - local hornfels/ skarn light greenish/grey bands, brownish hue Fol banding ∢40°								
		*	67.6-74.3 - light grey/dark grey argillite increase qtz/ca stringer - 10% local sulphides Pb/Zn py Tr As								
		*	patches & stringers - sections 1-2% sulphides mineralization @68.0 ∢70° 3cm - qtz/ca 5% py -		5404	68.0	69.0	1.0		0.07	0
			sheared @68.3 30% qtz/ca Tr As flecks @68.4 ∢40° 20% qtz/ca 5% py ∠1% As		5405	69.0	70.0	1.0		0.15	41
			@68.8 ∢50° 1cm 10% py/Pb/ Zn @69.1 - 4cm py/cpy pod @69.7 - 1cm pod py Fol @69.8 ∢50°								

INTERVAL FROM	TO	ROCK TYPE	DESCRIPTION	PLANAR FEATURE ANGLE°	SAMPLE NO.	INTERVAL FROM	TO	SAMPLE LENGTH	ASSAYS Pb, Zn (%)	Ag (oz/ton)	Au (ppb)
63.0	75.8	cont'd	@70.0 ∢55° py/ca hair stringers @70.8 ∢60° 1cm py/Pb/Zn cuts Fol ∢35° opp @71.0 py pod - 1cm - 71.3-72.4 - 10% qtz/ca stringer stockwork ∠1% sulphides @72.4 ∢40° - 5cm 30% qtz/ca 2-5% py @73.0-74.1 1% py wisps blebs along Fol ∢45° @73.5 ∢30° - 5mm py/ca cuts Fol of 45° oppos @74.2 ∢35° - 1cm py/ca stringer from 74.3-75.3 - increase sil. Fol ∢40°		5406	70.0	71.0	1.0		0.11	27
					5407	71.0	72.0	1.0		0.41	0
					5408	72.0	73.0	1.0		0.10	0
					5409	73.0	74.3	1.3		0.05	0
75.8	95.0	Skarn/Hornfels	silicified - weak foliated - massive brownish hue matrix - local sheared sections. Light grey/green local po/py stringers - hair & blebs @75.8-84.0 - sil brownish green matrix hue - skarn - mottled textures - bleached - light green fractures local ∠2% qtz/ca stringer ∠1% py Fol 20-30°								
			84.1-85.0 - sheared - 10-15% qtz/ca stockwork 2-5% sulphides - py - local As @84.2 ∢55° - 3cm 30% qtz/ca 1% py @84.3 ∢20° - 1cm sulphides stringer py/As @84.4 ∢30° - 5cm qtz/ca 1% py.		5410	84.0	85.0	1.0		0.06	0
			@84.7-84.9 - 20% qtz/ca - 2-5% py - blebs - patches 85.0-92.0 - siliceous greenish grey brown - matrix -skarn/hornfels massive - weak Fol ∢40° - local hair py fracture filling & blebs @88.9 1cm py/po ∢55° Fol @91.0 ∢40° @92.0 ∢10° - 1cm qtz/ca 1% py 92.0-95.0 grey/green arg weak skarn development Foliation ∢50° - 5% qtz/ca stringers		5411	85.0	86.0	1.0		0.11	219
					5412	86.0	87.0	1.0		0.06	27
					5413	87.0	88.0	1.0		0.05	0
					5414	89.0	90.0	1.0		0.09	16
					5415	90.0	91.0	1.0		0.05	0
					5416	91.0	92.0	1.0		ND	0
					5417	92.0	93.0	1.0		ND	0
95.0	96.8	Carbonitized shear zone (intrusive	60% carbonate skarned greenish clay (gouge) matrix shear zone - local 1-2% py - occassional sphalerite /Pb blebs - possible sheared mafic intrusive ?		5418	93.0	94.0	1.0		0.05	12
					5419	94.0	95.0	1.0		0.10	14
					5420	95.0	96.0	1.0		0.04	0
					5421	96.0	96.8	0.8		0.07	0
96.8	100.0	Sil/Arg - Skarn	Mottled dark grey light grey green - sil argillite skarn - hornfels as before - minor sulphides <1% py - minor qtz/ca stringers- weak Foliation ∢25-55°		5422	96.8	97.8	1.0		0.06	18
					5423	97.8	98.8	1.0		0.06	38
					5424	98.8	100.0	1.2		0.08	0

INTERVAL FROM	INTERVAL TO	ROCK TYPE	DESCRIPTION	PLANAR FEATURE ANGLE°	SAMPLE NO.	INTERVAL FROM	INTERVAL TO	SAMPLE LENGTH	ASSAYS Pb,Zn (%)	ASSAYS Ag (oz/ton)	ASSAYS Au (ppb)
100.0	138.6	Argillite/ Greywacke	Light-dark grey argillite 10-15% qtz/carbonate stockwork - local contorted - shear - occassional 1-2cm qtz sulphide stringers Pb/Zn, py Tr. cpy - minor sections - granular texture 10-15% qtz. Feld. greywacke, mineralization @100.0 - 1cm py/Pb/Zn ∠25° @100.5-100.7 - 50% qtz/ca - sheared @100.5 ∠35° 5cm qtz/ca 30% sulphides py/Pb/Zn Tr. As @100.7 ∠45° 1 cm qtz - 1% py hair stringers @101.0 ∠20° same qtz - 1% py @102.0 ∠30° 5cm qtz/ca 2-5% py @102.0-105.7 - grey qtz feld - 10-15% <1mm greywacke weak foliated ∠20-30° - 5% carbonate 5mm - 2cm fracture filling/stringer ∠25-55° crosscuts foliation. @101.9 yellowish green talcose - pyrophyllite alteration ca/stringer Tr. py through section @105.3-107.9 - light dark grey argillite 10-15% qtz/ca stringer @105.7 ∠30° qtz Fol @106.4 ∠70° Fol @107.5 ∠60° Fol From 107.9 increase graphitic contact grey black argillite 10-15% qtz/ca stockwork sulphide stringer veins 5mm - 3cm pb/Zn py - local sections up 10% sulphides generally mineralization - cuts dom. Fol. @107.9 ∠35° Fol cut by 5mm qtz/ca py ∠45° oppos fractures ∠40° offset dom. Fol @108.2 ∠45° 3cm massive sulphide py/Pb/Zn 108.3-108.7 - 20-30% qtz/ca stringers ∠40° 1-2% py 108.7-110.0 - 15% qtz/ca local contorted @109.9 ∠60° 1cm qtz/ca py & 5mm ∠35° cuts Fol of ∠35° @110.0-114.6 - light grey - dark grey graphitic argillite 5-10% qtz/ca stringers ∠35-70° cut Fol 15-25° minor 5mm ca/py stringers @112.8 ∠45° 1.5cm py Tr. As @113.2 ∠20° Fol @113.6 ∠5° Fol @114.6-115.2 15-15% sulphides Pb/Zn, py Tr. As stringer qtz/ca & patch sulphides cuts Fol of ∠15-20 mineralization ∠40-50° @115.0 ∠40° - 2cm Pb/Zn, py As. @115.2-115.8 - massive white qtz fractured - hair py filling ∠50° & ∠10° oppos @116.0 ∠45° 1cm py/ca cuts Fol 0° ring fracture ∠45° @116.6 2cm qtz/ca py 2% ∠25° breccia Arg fragments		5425	100.0	101.0	1.0		0.02	0
					5426	101.0	102.0	1.0		0.05	0
					5427	102.0	103.0	1.0		0.25	16
					5428	107.9	108.7	0.8		0.10	5
					5429	108.7	110.0	1.3		0.06	7
					5430	110.0	111.0	1.0		1.76	40
					5431	111.0	112.0	1.0		0.27	21
					5432	112.0	113.0	1.0		0.10	6
					5433	114.6	115.2	0.6		0.08	0
					5434	115.2	115.8	0.6		0.07	14
					5435	115.8	117.0	1.2		1.51	55

LACANA MINING CORPORATION — DIAMOND DRILL RECORD — HOLE#: MS-88-11 — Page: 6 of 9

INTERVAL FROM	INTERVAL TO	ROCK TYPE	DESCRIPTION	PLANAR FEATURE ANGLE°	SAMPLE NO.	INTERVAL FROM	INTERVAL TO	SAMPLE LENGTH	ASSAYS Pb, Zn (%)	ASSAYS Ag (oz/ton)	ASSAYS Au (ppb)
100.0	138.6	cont'd	@117.4 - 2cm shear gouge ∠60° @117.8 ∠30° - 118.0 massive white qtz 1% py blebs - fracture filling - sheared contacts		5436	117.0	117.6	0.6		0.11	0
			117.8-121.4 - dark grey contorted argillite 15% qtz/ca blebs/wisps @121.4 ∠25° 1cm shear contact - 122.0 light grey healed shear 5-10% qtz/ca - fracture filling Tr. py 122.7 ∠35° contact. healed shear - 123.1 - light grey-green sheared argillite phyllite waxy 5-10% carbonate stockwork brecciated grey fragments ∠80-60° From 123.1 increase - pinkish white massive carbonate stockwork - brecciated arg. fragments		5437	117.6	118.0	0.4		0.08	38
			@123.9 ∠60° 7cm pinkish white carbonate vuggy/arg fragments Tr. py blebs								
			@124.8 ∠40° 2cm qtz/ca contact - shear - 125.1 ∠20° 3cm carbonate breccia arg/fragments								-
			@126.0 ∠45° foliation 126.0-126.5 - 75% pinkish white carbonate stockwork - cuts Fol ∠60° oppos. same @126.9-127.3 - 75% carbonate stockwork ∠80°		5438	126.0	127.3	1.3		0.25	25
			@127.3-127.6 - sheared argillite @*127.5 ∠60° 2cm sulphides 30%/carbonate matrix - stringer & blebs py/As		5439	127.3	127.6	0.3		0.05	0
			@127.5-129.2 - ∠60° Fol - grey argillite								
			129.2-138.6 - same light-dark grey argillite 5-10% carbonate stockwork 5mm - 2cm carries local 1-2% py - local sheared sections								
			@131.3 ∠50° 3cm carbonate py 20%								
			@132.9 ∠40° 5mm/ca @132.3 contorted Fol 0-5%								
			@132.9 ∠50° fol								
			@132.9-133.6 - sheared - gouge 5% py - 5-10% carbonate 5mm stringers py blebs ∠ 70° cont fol		5440	132.9	133.6	0.7		0.08	0
			@133.6 ∠50° contact 133.6-134.0 ∠50° Fol dark grey argillite 1-2% py								
			@135.7 ∠45° Fol @135.8-138.6 - 10-15% carbonate stockwork 5mm stringers<1% py local sheared contorted		5441	136.0	137.0	1.0	0.02	0.36	393
			@136.1 ∠40° sheared contact → increase carbonate stringers ∠45-60° cut Fol of ∠45° oppos								

LACANA MINING CORPORATION DIAMOND DRILL RECORD HOLE#: MS-88-11 Page: 7 of 9

INTERVAL FROM	INTERVAL TO	ROCK TYPE	DESCRIPTION	PLANAR FEATURE ANGLE°	SAMPLE NO.	INTERVAL FROM	INTERVAL TO	SAMPLE LENGTH	ASSAYS Pb,Zn (%)	ASSAYS Ag (oz/ton)	ASSAYS Au (ppb)
138.6	140.4	Fault Zone	Grey - dark grey (local) graphitic gouge - 10% carbonate @138.6 ∢70° contact section - 2-5% sulphides py		5442	138.6	139.6	1.0		0.10	0
					5443	139.6	140.4	0.8		0.06	0
140.4	143.2	Carbonate Zone	massive - pinkish white carbonate calcite local vuggy <2% pyrite in pods - local fracture fillings <2% argillite fragments @140.4-141.3 - 30% carbonate - sheared - argilleous matrix		5444	140.4	141.4	1.0		0.18	0
					5445	141.4	142.0	0.6		0.75	7
143.2	147.3	silicified carbonate shear zone mineralized	transition zone - sheared contorted brecciated calcareous matrix - 20-30% brecciated fractured quartz - argillaceous matrix - sulphides up to 10-15% local pyrite Tr. cpy - overall section 2-5% py carbonate stockwork 10-15% @145.3 - 2cm pod - purplish-green amethyst & fluorite @145.6 ∢15° pinkish white carbonate vuggy stock-work @146.1 ∢45° Fol @147.0 ∢50° - sheared contact		5446	142.0	143.2	1.2		0.09	58
					5447	143.2	144.0	0.8		0.08	0
					5448	144.0	145.0	1.0		0.08	0
					5449	145.0	146.0	1.0		0.06	12
					5450	146.0	147.3	1.3		0.06	0
147.3	150.2	altered argillite	light grey - yellowish grey - sericitic altered 5% qtz/ca stringers - fractured local 1-2% py section <1% - weak brecciated - carbonate stringer ∢35° cut Fol ∢35° oppos. Fractured ∢35°		5451	147.3	148.0	0.7		0.05	0
					5452	148.0	149.0	1.0		0.07	0
					5453	149.0	150.2	1.2		0.01	25
150.2	157.5	Hornfels/ argillite	mottled light grey-brownish hue - dark grey argillite - siliceous - 10% qtz/ca stringer local carry py ∢20-40°. Fol ∢35-45°. Finergrained massive approaching intrusive increase sil from 154.8 → hornfels @157.2 ∢30° py hair fracture filling - 157.5 - 1% py								
					5454	157.0	158.0	1.0		0.06	0
157.5	159.5	Intrusive (mafic)	massive - brownish-grey - siliceous matrix 10-15% <1mm qtz/feld phenocrysts - 10% qtz/ca patches sulphides 2-3% py - contacts indistinctive - graditional		5455	158.0	159.5	1.5		0.05	0
159.5	168.4	local sheared argillite	light-dark grey contorted argillite 10-15% qtz/ca stockwork - pods local sheared <1% py. Foliation ∢50° stockwork ∢40-15° - local minor siliceous sections								

LACANA MINING CORPORATION — DIAMOND DRILL RECORD — HOLE#: MS-88-11 — Page: 8 of 9

INTERVAL FROM	INTERVAL TO	ROCK TYPE	DESCRIPTION	PLANAR FEATURE ANGLE°	SAMPLE NO.	INTERVAL FROM	INTERVAL TO	SAMPLE LENGTH	ASSAYS Pb, Zn (%)	ASSAYS Ag (oz/ton)	ASSAYS Au (ppb)
159.5	168.4	cont'd	*@159.8 ∢55° - 1cm - massive sulphides py/Zn @160.4-168.4 - contorted - light/dark grey arg local siliceous sections - 10% carbonate 5mm - 1cm stringer stockwork contacts generally sheared and altered ser. yellowish - talcose - possible pyrophyllite - generally - stringer carry Tr 1% py @160.4-161.0 - 15% - 0% quartz Tr py patches - sheared matrix @161.2 ∢50° Fol 161.5-162.7 - siliceous light grey @162.9 ∢15° 5mm carbonate @164.5 ∢60° 5mm carbonate - talcose @164.6 ∢55 same @164.8 ∢55 same		5456	159.5	160.0	0.5		0.16	112
			@165.7-167.7 - contorted Fol ∢20-0° 5% 5mm - 1cm carbonate stringer - carry ∠1% py - yellowish talcose		5457	165.7	166.7	1.0		0.08	49
			contact shear alteration @166.0 ∢0° fol 2 mm ∢40° ca/Tr py		5458	166.7	167.5	0.8		0.15	222
			@167.0 ∢40° 2mm talcose ca - @167.2 ∢75° weak breccia shear @167.3 ∢40° talcose ca - 2mm @167.4 ∢10° Fol @168.0 ∢55° 2 of 1cm ca/∠1% py @168.1 ∢35° 5mm/ca - 168.1-140.0 - weak sheared increase sil matrix @168.2 ∢50° 5mm ca ∠1% py @168.4 ∢40° sharp contact - silicified - hornfels chilled →								
168.4	179.4	silicifed - hornfels	- contact @168.4 ∢40° sharp - local sil bleach overprinting - light grey green - decrease carbonate stockwork - section weak Fol local py/Zn blebs Tr cpy @168.8 ∢40° weak bleach overprinting @189.9 ∢30° same @169.6 ∢40° 5mm ca talcose Tr py @170.0 ∢10° Fol @170.5 - 5mm - 1cm - yellowish talcose carbonate fracture filling ∢10° @170.8 ∢55° 2cm same frag arg cuts Fol of ∢15° oppos - brecciated host fragments sericited @171.0 ∢70° 5mm/ca - 1% py - brecciated arg fragments stockwork also fracture filling ∢5-10° @171.2-172.3 - sil brownish grey matrix - speckled 1mm porphyroblasts rim-halos alteration @172.3 ∢25° bleach - overprinting - light grey @172.8 ∢25° weak Fol		5459	170.5	170.8	0.3		0.05	40

LACANA MINING CORPORATION DIAMOND DRILL RECORD HOLE#: MS-88-11 Page: 9 of 9

INTERVAL FROM	INTERVAL TO	ROCK TYPE	DESCRIPTION	PLANAR FEATURE ANGLE°	SAMPLE NO.	INTERVAL FROM	INTERVAL TO	SAMPLE LENGTH	ASSAYS Pb,Zn (%)	ASSAYS Ag (oz/ton)	ASSAYS Au (ppb)
168.4	179.4	cont'd	@175.1 ∠25° - bleach overprinting light grey-green cuts weak Fol ∠30° oppos @175.2 ∠30° bleach alteration - 175.9 light grey silicified @175.5 cpy/py Zn bleb - 175.9-176.7 dark grey silicified po/cpy bleb @176.0 @176.7-177.0 - bleach light grey-green overprinting - py @177.0 ∠35° contact → sil speckled grey matrix @177.3 ∠50° - 5mm/ca - 1% py Tr. hematite @177.4 ∠65 & 15° - same ca/py @177.5 ∠35° 1cm ca Tr. py 177.4-179.4 - sil grey - minor 2mm carbonate stringer - local 179.4 - E.O.H.	blebs 176.7	5460	175.0	176.0	1.0		0.15	0

CUSTOM LABORATORIES LIMITED
Assayers and Analytical Chemists
Telephone: 546-4706
P. O. Box 520 920 Bridge Street, Bathurst, N. B. E2A 3Z4

Identification: Corona Mining Corp. Good - MS-88-11

Description: Drill Core - (Don Hoy) -

August 18, 1988

Corrected Assays. Our Invoice No. 88-295 dated July 18/88.

Sample No.	Lab. No.	Weight	PPb Au	oz/t Au
5391			0	.09
5392			14	.05
5393			96	.84
5394			0	.08
5395			0	ND
5396			0	.03
5397			0	.05
5398			0	.04
5399			18	.13
5400			0	.11
5401			11	.10
5402			0	.07
5403			0	.08
5404			0	.07
5405			41	.15
5406			27	.11
5407			0	.41
5408			0	.10
5409			0	.05
5410			0	.06

Checked by: _____

Analyst: Robert Stairs

CUSTOM LABORATORIES LIMITED
Assayers and Analytical Chemists
Telephone: 546-4779
P. O. Box 520 920 Bridge Street, Bathurst, N. B. E2A 3Z4

Identification: Corona Mining Corp

August 18, 1988

Description: Drill Core - (Don Hoy) -

~~Corrected Assays. Our Invoice No. 88-285 dated July 18/88.~~

Sample No.	Lab. No.	Weight	PPb AU	oz/t Ag							
5411			219	.11							
5412			27	.06							
5413			0	.05							
5414			16	.09							
5415			0	.05							
5416			0	ND							
5417			0	ND							
5418			12	.05							
5419			14	.10							
5420			0	.04							
5421			0	.07							
5422			18	.06							
5423			38	.06							
5424			0	.08							
5425			0	.02							
5426			0	.05							
5427			16	.25							
5428			5	.10							
5429			7	.06							
5430			40	1.76							

Checked by: _____

Analyst: Robert Stairs

CUSTOM LABORATORIES LIMITED
Assayers and Analytical Chemists
Telephone: 546-47[illegible]
- 3 -
P. O. Box 520 920 Bridge Street, Bathurst, N. B. E2A 3Z4

Identification: Corona Mining Corp.

August 18, 1988

Description: Drill Core - (Don Hoy) -

Corrected Assays. Our Invoice No. 88-295 dated July 18/88.

Sample No.	Lab. No.	Weight	PPb Au	oz/t Ag
5431			21	.27
5432			6	.10
5433			0	.08
5434			14	.07
5435			55	1.51
5436			0	.11
5437			38	.08
5438			25	.25
5439			0	.05
5440			0	.08
5441			393	.36
5442			0	.10
5443			0	.06
5444			0	.18
5445			7	.75
5446			58	.09
5447			0	.08
5448			0	.08
5449			12	.06
5450			0	.06

Checked by: _____

Analyst: Robert Stairs

CUSTOM LABORATORIES LIMITED
Assayers and Analytical Chemists
P. O. Box 520 920 Bridge Street, Bathurst, N. B. E2A 3Z4
Telephone: 546-4779

Identification: Corona Mining Corp

Description: ~~Drill Core (Don Hoy)~~ ~~August 18, 1988~~
Corrected Assays. Our Invoice No. 88-295 dated July 18, 1988.

Sample No.	Lab. No.	Weight	PPb Au	oz/t Ag
5451			0	.05
5452			0	.07
5453			25	.01
5454			0	.06
5455			0	.05
5456			112	.16
5457			49	.08
5458			222	.15
5459			40	.05
5460			0	.15
5461			0	.10
5462			0	.06

Checked by: _____

Analyst: Robert Stairs

LACANA MINING CORPORATION . DIAMOND DRILL RECORD HOLE#: MS-88-12 Page: 1 of 7

Property: Millstream
Area (Map #)
Claim #:
M.D./County: Gloucester
Province: New Brunswick

Location:
Grid: L 4200W
7+23N
Length: 227.8 (Units: metric)
Azimuth: 20° Dip Collar: -45°

Down Hole Surveys: Acid

Depth:	Az:	Dip:
30.5		44
61.0		44
91.4		42
121.9		41
152.4		42
		42

Drilled by: Longyear
From-To: June 27/88 - June 30/88
Size(s): NQ
Logged by: John Duncan
Signed:

Remarks:

INTERVAL FROM	INTERVAL TO	ROCK TYPE	DESCRIPTION	PLANAR FEATURE ANGLE°	SAMPLE NO.	INTERVAL FROM	INTERVAL TO	SAMPLE LENGTH	ASSAYS Pb,Zn (%)	ASSAYS Ag (oz/ton)	ASSAYS Au (ppb)
0	15.0	casing									
15.0	45.5	silicified/Arg/ Greywacke	-siliceous - hornfels - arg - light grey arg local greywacke sst. sections - minor qtz/ca - stockwork local fractured chl. filling (shears) - Tr. minor py fracture filling - local section buff brown banding - weak - skarn bands - 15.0 - 119.0 blocky core fractured Fe oxide weathering. @7.4 ∢15° Fol @8.6 ∢30° Fol @10.5 ∢30° Fol @12.0 ∢10° 2cm vuggy pinkish white carbonate stringer @12.3 ∢20° contact greywacke bed. @13.7 ∢30° py hair fracture filling @135.2 ∢30° chl. fracture cut Fol ∢45° oppos. @14.6 ∢10° contact greywacke 10-15% lithic fold clasts 14.6-15.5 ∢30° greywacke @16.4 ∢15° Fol @17.2 ∢20° chl. py hair fractures @17.5 ∢15° Fol @18.5 ∢10° Fol @19.9 ∢20° py/chl fracture filling @20.1 ∢10° Fol @22.6 ∢15-20° chl/py fracture filling @23.8 ∢10° 2cm ca shear 1-2% py @25.4 ∢25° & 30° oppos hair py-chl fracture filling @26.0-28.8 - 5% 2mm 5mm py/chl fracture filling 45-50° @27.3 ∢5° - 5mm ca/py - 1% @27.8 ∢40° - 28.0 40% qtzhealed shear @28.0 ∢25° banding ∢65° oppos chl/py 1-2% fracture filling @29.0 ∢25° Fol banding fractured ∢75-80° chl/py @29.7 ∢45° py/Zn Pb/As 5mm fracture filling & pod @33.5 ∢10° weak Fol & hair py ∢50° Tr. As flecks		5463	25.6	27.6	2.0		.01	0
					5464	27.6	28.6	1.0		.05	0
					5465	28.6	29.7	1.1		.14	0

LACANA MINING CORPORATION DIAMOND DRILL RECORD HOLE#: MS-88-12 Page: 2 of 7

INTERVAL FROM	INTERVAL TO	ROCK TYPE	DESCRIPTION	PLANAR FEATURE ANGLE°	SAMPLE NO.	INTERVAL FROM	INTERVAL TO	SAMPLE LENGTH	ASSAYS Pb,Zn (%)	ASSAYS Ag (oz/ton)	ASSAYS Au (ppb)
15.0	45.5	cont'd	@36.5 ∡15° Fol fracture chl/py filling ∡25° & 70° oppos cuts Fol @37.5 ∡50° chl py - fracture filling @39.3 ∡30° Fol banded @39.6 ∡40° Fol cut by 5mm qtz/ca ∡15° oppos @39.0 ∡10° - 3cm qtz healed shear @40.1 ∡ 35° Fol cut by chl fractures ∡80° oppos @40.2-40.6 - 15-20% qtz/ca stockwork - buff buff bleached arg matrix - stockwork ∡40-30° Tr. py @40.6 ∡60° 5mm qtz/py @40.8 ∡30° Fol banding @41.4 ∡35° 1cm qtz/chl Tr. py @42.0 ∡40° 4cm bleached ser buff brown cut by 1cm chl shear ∡75°							
			@42.7 ∡50° Fol banding @42.9 ∡30° 8cm qtz/ca 2-5% py @43.1 ∡40° Fol		5466	42.7	43.6	0.9		.05	18
			@43.6-44.3 ∡50° Fol altered ser buff brown		5467	43.6	44.4	0.8		.04	69
			@43.8 ∡25° 4cm brecciated qtz/ca shear Tr. py		5468	44.4	45.5	1.1		ND	0
			@44.1-44.2 - 10-15% sulphides - diss. py/As								
			44.2-45.5 - 5-10% qtz-chl fracture filling ∡50°								
45.5	51.8	mineralized Fault zone	fractured, sheared local gouge material - argillite brecciated matrix bleached sericitic - buff brown mineralization - argillic alteration 2-5mm py fracture filling - local diss'd py cube up to 15% - calcareous shears - 10% qtz/ca stringers								
			@45.5-45.7 ∡15° Fol banding - bleached ser buff brown		5469	45.5	46.0	0.5		.06	0
			@46.7 ∡15° - 2cm ca 1-2% py		5470	46.0	47.0	1.0		ND	0
			@46.8 → fractured sheared @46.8 ∡15 py/ca		5471	47.0	48.0	1.0		ND	0
			@45.9 - 20% py @46.9 ∡ 75°& 45° fracturing ∡40° shear contact								
			46.9-48.0 - sheared gouge breccia fractured								
			48.0-49.8 - ser. bleached buff brown - 15% py fract.		5472	48.0	49.0	1.0		.04	0
			filling @48.2 ∡50° py fractured fill		5473	49.0	50.0	1.0		ND	0
			@48.8 ∡20° qtz/ca py								
			@49.5 ∡80° ¢ 20° py fracture filling								
			@49.8 ∡20° shear gouge contact - 50.1 shear		5474	50.0	51.0	1.0		ND	0
			@50.1 ∡15° - 10-15% pinkish white carbonate stockwork 1% py brecciated grey arg. fragments		5475	51.0	51.8	1.8		.11	0
			50.3-51.0 - bleached fractured 2-5% py fracture filling @51.0 ∡20° carbonate pinkish white - 2-5% py - 70% carbonate to 51.8 - vuggy & grey green arg/fragments								

LACANA MINING CORPORATION — DIAMOND DRILL RECORD — HOLE#: MS-88-12 — Page: 3 of 7

INTERVAL FROM	INTERVAL TO	ROCK TYPE	DESCRIPTION	PLANAR FEATURE ANGLE°	SAMPLE NO.	INTERVAL FROM	INTERVAL TO	SAMPLE LENGTH	ASSAYS Pb, Zn (%)	ASSAYS Ag (oz/ton)	ASSAYS Au (ppb)
51.8	54.0	siliceous Argillite Hornfels	@51.8-53.2 - light/dark grey banded silicified arg occassional 5mm carbonate stringer Tr. py ∡30-35 cuts Fol banding of ∡35° @ 53.5 ∡35° contact 10cm								
54.0	67.0	conglomerate/ grit - siliceous matrix	grit/gwk bed @54.0 ∡65° contact → graded grit/gwk grades into conglomerate coarse grit clast fragments mixed dark grey - light maroonish grey - fragments buff brown siliceous - whitish altered fragments up to 3cm - assemble argiclastic - 10% carbonate stringer stockwork - locally pyrite fragments rounded & squeezed								-
			@54.1 ∡40° ca 5mm cuts Fol @30°								
			@54.8 → 55.7 fine grained grey grit/gwk								
			@55.4 ∡40° qtz/ca 5mm @56 ∡30° 5mm ca								
			56.8-57.4 - 20% carbonate stockwork 1-5% py stockwork brecciated slt/cong host		5476	56.8	57.5	0.7		.05	- 0
			57.4-67.0 - congl. squeezed sed. clasts 5% carbonate stringer Tr.-1% py @57.7 ∡20° squeezed clasts Fol								
			@59 ∡55° sheared contact → 59.2 15% carbonate stringer matrix altered - buff brown - possible Fe/carbonate siderite @59.3 ∡30° Fol banded arg/ slt @60.3 ∡40° squeezed clast ∡5° 5mm ca/Tr py		5477	58.8	59.3	0.5		ND	0
			@61.2 - 2cm pinkish carbonate rubble								
			@61.8 ∡25° sheared Fol @65.0 ∡30°squeezed clasts/ @66.1 ∡25° 1cm pinkish ca stockwork 1% py weak breccia @67.0 ∡40° Fol argillite banding siliceous	fol							
67.0	92.9	siliceous banded argillite/skarn hornfels	as before silicified local carbonate stockwork local gwk/grit sections - banded argillite light tanish/brownish green bands skarn sections notable increase - black chl. fracture filling								
			@68.0 ∡55° banded arg/slt								
			@68.6 ∡50 7cm qtz/ca 1-2% py @70.0 ∡45° Fol @70.8 ∡60° Fol		5478	68.5	69.0	0.5		ND	0
			@71.5-71.9 - 15% pinkish carbonate local 2% py ∡25-50° cuts Fol of ∡30° From 76.2 increase chl. fracture filling		5479	71.5	71.9	0.4		ND	0
			@73.0 ∡50° chl fracture filling @75.0 ∡25° greenish grey banded (skarn) arg @77.0 ∡50° banding								

LACANA MINING CORPORATION DIAMOND DRILL RECORD HOLE#: MS-88-12 Page: 4 of 7

INTERVAL FROM	INTERVAL TO	ROCK TYPE	DESCRIPTION	PLANAR FEATURE ANGLE°	SAMPLE NO.	INTERVAL FROM	INTERVAL TO	SAMPLE LENGTH	ASSAYS Pb, Zn (%)	ASSAYS Ag (oz/ton)	ASSAYS Au (ppb)
67.0	92.9	cont'd	@77.2 ∠45° Fol banding ∠10° chl fracture @77.4 ∠30° 3cm qtz/ca massive As patches 30% @78.5 ∠40° 20% py/ca 3cm @79.0 ∠40° 2cm chl. sheared 1% py ∠50° fracture chl. filling @79.8-80.7 - increase chl fracture filling - black chl. skarn banding chl. cuts Fol banding ∠55° cut by chl. ∠20°-60° @80.6 ∠35° chl fracture filling @80.8 ∠50° Fol banding @81.7 ∠40° 1cm greenish brown calcareous skarn @81.7-82.0 - skarn banding light grey green maroon grey bands. Fractured weak brecciated - chl fracture filling ∠40° ∤ 10° oppos @83.3 ∠30° Fol banding @83.5 ∠30° ∤ 0° 1cm chl fracture filling brecciated arg fragments @84.0 ∠50° 2cm calcareous chl shear Tr py @84.2 ∠45° Fol banding cut by hair fracture ∠40° oppos. From 85.5 → inc. carb stringers 2mm 2cm 10% ca @87.8 ∠60°-65° ca cuts Fol ∠50° oppos @87.9 ∠50° ca/py 1% 1cm @88.3 ∠60° 1cm ca cuts Fol of ∠55° oppos @88.6 ∠25° 2cm ca @89.1 ∠55° Fol banding calcareous @89.5 ∠45° 1cm ca cuts Fol of ∠55° @90.4 ∠50° 2cm calcareous skarn @91.0 ∠35° calcareous shear @91.6 ∠60° chl fracture fill shear @91.3 ∠40° ca 91.4 ∠55° ca shear @91.1 ∠40° chl fracture filling breccia fragments 92.9 ∠10° 1cm ca Tr py - contact Fol ∠60°		5480	77.4	77.6	0.2		ND	1151
					5481	78.4	78.7	0.3		.01	0
92.9	105.2	calcareous - siliceous Arg/slt	light grey green calcareous matrix - Fine grained local siliceous - distinct lithological change lacks skarn banding - altered calcareous matrix distinct increase carbonate qtz stockwork.fracture filling → section lacks chl breccia fracture filling - local minor section ∠1% py patches occas. stringer @93.3 ∠60° 5cm py Tr. grey metallic As? @93.6 ∠5° carbonate stockwork breccia frag. @94.0 py bleb @94.3 ∠55° Fol @94.8 ∠80° 5mm ca cuts ca shear of ∠0-15° @95.2 ∠55 Fol @95.3 ∠5-0° ca stock-work @96.3 ∠60° Fol local py blebs @98.6 ∠20° 5mm ca @99.8 ∠40° Fol cut by qtz/ca 5mm ∠65° oppos. ∤ 25° @110.7 ∠20° 1cm ca								

LACANA MINING CORPORATION DIAMOND DRILL RECORD HOLE#: MS-88-12 Page: 5 of 7

INTERVAL FROM	INTERVAL TO	ROCK TYPE	DESCRIPTION	PLANAR FEATURE ANGLE°	SAMPLE NO.	INTERVAL FROM	INTERVAL TO	SAMPLE LENGTH	ASSAYS Pb, Zn (%)	ASSAYS Ag (oz/ton)	ASSAYS Au (ppb)
92.9	105.2	cont'd	@101.5 ∢55°Fol @101.9 ∢55° 5mm py bleached ser. sections @103.4 ∢45° weak Fol matrix sheared ¢ fractured @104.9 ∢10° ca 5mm @104.7 ∢70° shear contact brecciated calcareous @104.8 ∢50° Fol @107.0 ∢70 Fol		5482	104.0	105.2	1.2		ND	0
105.2	108.3	Carbonate zone siliceous	20-40% carbonate qtz siliceous matrix fractured brecciated healed carbonate shear zones Tr. py - brecciated argillaceous fragments @105.3 ∢50° Fol cut by carbonate/qtz breccia ∢30° contact @105.3-105.6 @ 105.6-106.0 bleached ser buff brown arg - 10-15% carbonate/qtz stringer stockwork		5483	105.2	106.0	0.8		.05	0
			@106.0-107.0 - 30% qtz/ca local ser bleached buff brown @106.2 ∢30° 3cm pinkish carbonate/qtz @106.3 ∢40° qtz/ca shear @107.0 ser buff brown altered brecciated fragments @107.7 ∢35° contact → 108.3 massive pinkish white carbonate/quartz contact @108.3 ∢35°		5484	106.0	107.0	1.0		.07	0
					5485	107.0	108.3	1.3		.05	0
108.3	111.1	Healed qtz/ carbonate shear mineral-ized (local gouge)	a light grey brecciated argillite 15-20% carbonate qtz matrix brecciated arg/fragments 2-5% sulphides local 10%-15% py sulphides diss'd & bleb patches @109.5 ∢35° - 109.65 grey green gouge shear 10% py @109.65-110.2 - 2% qtz/ca brecciated 5-10% py @110.2 ∢15° contact grey green shear zone → 111.0 ∢55° ~ gouge @111.0 ∢25°		5486	108.3	109.5	1.2		.10	0
					5487	109.5	110.2	0.7		.05	0
					5488	110.2	111.1	0.9		.01	0
111.1	125.2	Carbonatized sheared brecciated ultra mafic	@111.1 ∢55° sharp contact → 113.4 60% qtz/ carbonate ∢35° contact brecciated altered mafic fragments 10% dark green mafic fragments - siliceous bleached light greenish-grey matrix 10-15% hematite stringers & patches ∢30-40° hematite 5-10% qtz ca stringers ∢70-20°		5489	111.1	112.0	0.9		.08	0
					5490	112.0	113.4	1.4		ND	0
			113.4-123.0 - altered yellowish green siliceous mottled dark green mafic remanents - 10-15% qtz/ca stringer stockwork local sections sil foliated @114.4 ∢50° Fol fractured clasts @116.0 ∢35° sheared Fol @117.0 ∢50° Fol @117.2 ∢60° 1cm carbonate @117.9 ∢65° 1cm/ca 118.7 ∢45° 15cm qtz/ca @120.4 ∢30° 2cm qtz/ca @124.1 ∢40° Fol 124.2 ∢20° qtz/ca 1cm @124.7 ∢55° shear weak		5491	113.4	114.0	0.6		ND	0
					5492	114.0	115.0	1.0		ND	0
					5493	116.0	117.0	1.0		.06	0

LACANA MINING CORPORATION DIAMOND DRILL RECORD HOLE#: MS-88-12 Page: 6 of 7

INTERVAL FROM	INTERVAL TO	ROCK TYPE	DESCRIPTION	PLANAR FEATURE ANGLE°	SAMPLE NO.	INTERVAL FROM	INTERVAL TO	SAMPLE LENGTH	ASSAYS Pb, Zn (%)	ASSAYS Ag (oz/ton)	ASSAYS Au (ppb)
111.1	125.2	cont'd	brecciated @125.2 ∠45° shear contact								
125.2	227.8	sheared ultra mafic	sheared 10-20% qtz/ca stringer - light green magnetitic dark green serpententized - talcose - local shear gouge Tr. py @126.9 ∠40° 2cm vuggy qtz/ca @128.7 ∠40° sheared talcose Fol @130.8 ∠75° qtz/ca shear @133.1 ∠30° hematitic qtz/ca shear gouge @133.4 ∠45° ca shear @134.0 grey brown clay gouge @135.0 ∠25° Fol @135.8 ∠45° dark green black sheared 1% py 136.9 ∠45° shear gogue 137.4 ∠30° sheared Fol @139.9 ∠40° Fol @139.3 ∠35° contact							
			139.3-141.0 - foliated banded maroon grey calcareous qtz chl Fol possible sed bed - carbonated mafic? Tr. py specks minor hematite ∠35° Fol @136.8 ∠30° chl shear @141.0-142.5 - light green mottled dark green mafic altered patches - siliceous contorted 142.5 → light-dark green sheared ultra mafic 10-15% qtz/ca fracture net-like filling - local strong shearing → serpentine talcose shearing ∠10-35° @144.4 ∠45°, @150.2 ∠10°, 153.2 ∠20°, 155.4 ∠25°		5494	139.3	140.3	1.0		.06	0
					5495	140.3	141.0	0.7		.05	0
					5496	141.0	142.5	1.5		ND	0
					5497	142.5	143.5	1.0		.06	0
			156.0-164.7 - same sheared ultra mafic increase qtz/ca ∠20-30° shearing ∠45°-0° @157.0 ∠30° qtz/ca @160.0 ∠20° qtz/ca @161.0 ∠45° shearing @163.1 ∠45° shearing @164.0-164.7 ∠0-10° sheared fol @164.7-166.7 - dark green <2% po blebs strong magnetite siliceous 166.7-170.0 - dark green siliceous local sheared ∠20° 170.0-170.4 - altered siliceous light green matrix mottled dark green mafic fragments local shear gouge @175.3 ∠15° gouge @172.0 gouge		5498	164.7	165.7	1.0		.05	0
					5499	165.7	166.7	1.0		ND	0
					5500	180.4	181.0	0.6		.05	0
					5501	181.0	182.0	1.0		ND	0
					5502	188.0	189.0	1.0		ND	0
					5503	189	190.0	1.0		ND	0
					5504	190	191.0	1.0		ND	0
			@180.4-181.0 ∠25° sheared 10% redish h matite staining 180.0-186.4 - 10% qtz/ca stringers ∠35-40° sheared ultra mafic @186.0 ∠35° shear gouge 186.4-187.0 - green talcose shear weak low magnetite 187.0-188.0 - altered light green matrix sheared from 188.3-190.6 - silicified grey matrix 10% qtz/ca fracture filling ∠35° Fol @189.5 ∠20° sheared							

LACANA MINING CORPORATION DIAMOND DRILL RECORD HOLE#: MS-88-12 Page: 7 of 7

INTERVAL FROM	INTERVAL TO	ROCK TYPE	DESCRIPTION	PLANAR FEATURE ANGLE°	SAMPLE NO.	INTERVAL FROM	INTERVAL TO	SAMPLE LENGTH	ASSAYS Pb, Zn (%)	ASSAYS Ag (oz/ton)	ASSAYS Au (ppb)
125.2	227.8	cont'd	@190.6-192.7 - sheared ultra mafic 15% qtz/ca fracture filling @192.7 gouge ∠15°		5505	191.0	192.7	1.7		ND	0
			192.7-193.4 - siliceous sheared fragmented 20% hematite jasper @193.4 ∠15° contact shear		5506	192.7	193.4	0.7		ND	0
			193.4-204.5 ∠35° contact green sheared local talcose gouge - brecciated fracture fault zone @204.6 ∠25° shear gouge @196.4-197.0 35°contact grey sil. fractured								-
			197.0-205.5 - sheared local gouge talcose ∠25° shearing								
			206.5-208.0 - siliceous fractured talcose 10-15% qtz/ca fracture filling ∠20-50°								
			208.0-218.0 - sheared ultra mafic fractured brecciated talcose local siliceous sections local shear gouge sections @290.0 ∠30° shear contact - 210.0								-
			@210.3 ∠30° shearing @213.2 ∠15° shear contact 214.1 ∠20°								
			@214.2-219.4 - dark grey siliceous brecciated talcose ultra mafic ∠30° sheared								
			@219.4 ∠30° contact fault gouge - 223.0 ∠25°								
			223.0-227.8 - sil dark grey green fractured sheared ultra mafic - magnetic								
			E.O.H. 227.8								

...ORIES LIMITED

Assayers and Analytical Chemists

P. O. Box 520 920 Bridge Street, Bathurst, N. B. E2A 3Z4

Identification: ~~Screens Mining Coop.~~

Description: Drill Core

Corrected Assays - Our Invoice No. 88-339 dated Jul.2

Sample No.	Lab. No.	Weight	oz/t Ag		PPb Au						
5463			.01		0						
5464			.05		0						
5465			.14		0						
5466			.05		18						
5467			.04		69						
5468			ND		0						
5469			.06		0						
5470			ND		0						
5471			ND		0						
5472			.04		0						
5473			ND		0						
5474			ND		0						
5475			.11		0						
5476			.05		0						
5477			ND		0						
5478			ND		0						
5479			ND		0						
5480			ND		1151						
5481			.01		0						
5482			ND		0						

Checked by: _____

Analyst: _____
Robert Stairs

CUSTOM LABORATORIES LIMITED
Assayers and Analytical Chemists
Telephone: 546-477[illegible]
P. O. Box 520 920 Bridge Street, Bathurst, N. B. E2A 3Z4

Identification: Corona Mining Corp

Description: Drill Core

August 9, 1999

~~Corrected Assays Our Invoice No.99-330 dated July 22/99~~

Sample No.	Lab. No.	Weight	oz/t Ag		PPb Au						
5483			.05		0						
5484			.07		0						
5485			.05		0						
5486			.10		0						
5487			.05		0						
5488			.01		0						
5489			.08		0						
5490			ND		0						
5491			ND		0						
5492			ND		0						
5493			.06		0						
5494			.06		0						
5495			.05		0						
5496			ND		0						
5497			.06		0						
5498			.05		0						
5499			ND		0						
5500			.05		0						
5501			ND		0						
5502			ND		0						

Checked by: _____

Analyst: Robert Stairs

...ORIES LIMITED
Assayers and Analytical Chemists
P. O. Box 520 920 Bridge Street, Bathurst, N. B. E2A 3Z4

Identification: Corona Mining Corp.

August 9, 1988

Description: Drill Core

Corrected Assays - Our Invoice No.-88-339 dated July 22/88

Sample No.	Lab. No.	Weight	oz/t Ag		PPb Au						
5503			ND		0						
5504			ND		0						
5505			ND		0						
5506			ND		0						

Checked by: _____

Analyst: _____
Robert Stairs

MAPS
NOT
FILMED

CARTES
OMISES